Cassette Car Radio 22DC379/62B

Service
Service
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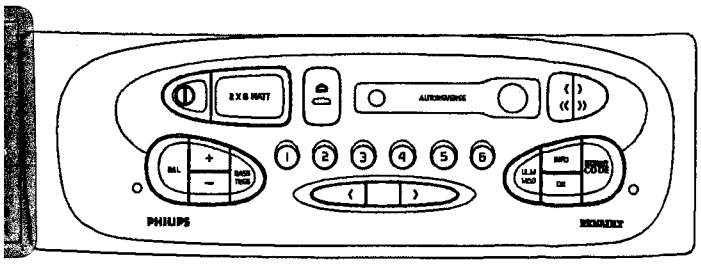

For repair information of the Cassette deck see Service Manual No 4822 725 xxxxx of Auto Cassette Deck CDS101X
5a 33

Service Manual

12 V

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PCS 80 380

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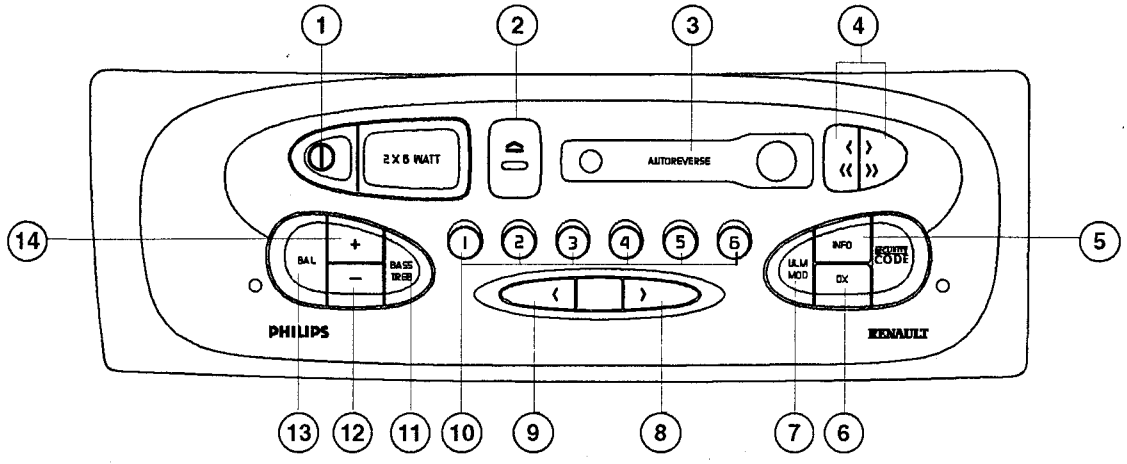
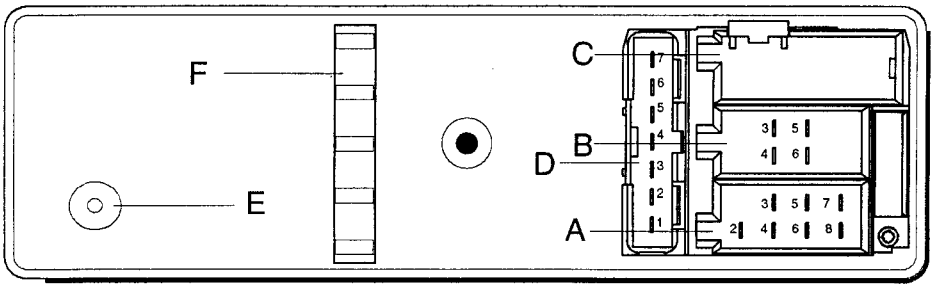


1	ON / OFF	8	SEARCH UP
2	CASSETTE EJECT BUTTON	9	SEARCH DOWN
3	CASSETTE OPENING + FLAP	10	PRESET SELECTION
4	FRW / FFW BUTTON	11	BASS / TREBBLE
5	INFO MODE	12	VOL -
6	DX MODE	13	BALANCE
7	BAND SELECTION / MODE	14	VOL +



A3	mute radio (0v)	A : POWER SUPPLY
A4	+ per. fus. ext : 15A	
A5	+ antenne elec.	
A6	+ lanternes	
A7	+ acc. fus. ext : 15A	
A8	masse	
B3	fr +	B : LOUDSPEAKER SUPPLY
B4	fr -	
B5	fl +	
B6	fl -	
D1	data 12 C	
D2	clock 12 C	
D3	MRQ 12 C	
D4	+ lanternes (A6)	
D5	rheostate (ov)	
D6	+ antenne (A5)	
D7	masse alim.	
D8	blindage IIC	
E :	AERIAL PLUG	E : AERIAL PLUG
	ACCORDING TO DIN 41585	
F	: Fastening cable	

TECHNICAL DATA

GENERAL

Power supply	:14.4V DC
Dimensions	:180x150x51 mm

RADIO

LW	: 153-279 KHz
MW	: 531-1602 KHz
FM	: 87.5-108 MHz
IF-AM	: 450 KHz / 10.7 MHz
IF-FM	: 10.7 MHz / 72.2 MHz
Sensivity 26dB S/N	: 30 µV (LW)
	: 30 µV (MW)
	: 3,5 µV (FM)
Limitation α-3dB	: 3 to 15 µV

CASSETTE

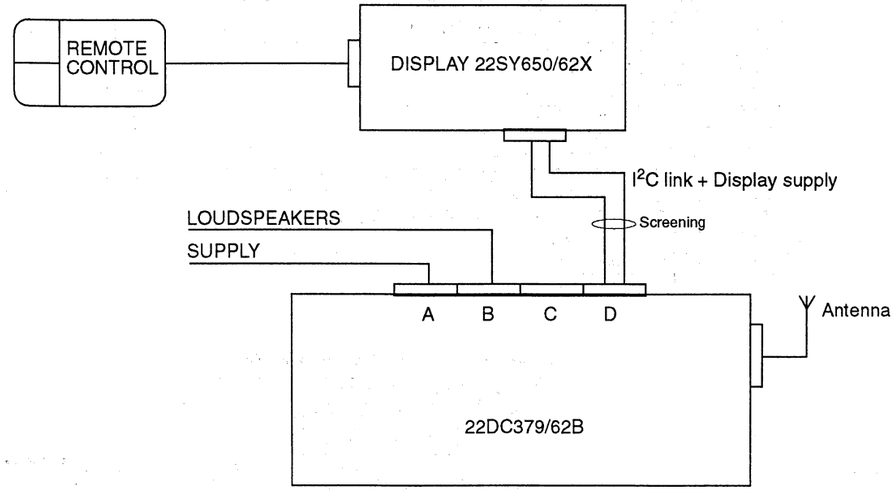
Cassette mechanism	:CDS 101
Number of tracks	:2
Tape speed	:4.75 cm/sec -1.5% +2.5%
Wow and flutter	:≤ 0.35% (+5° to +35°)
Crosstalk	:≥ 21dB

AMPLIFIER

Output power	:2x6W / 4Ω (D = 10%)
Trebble control	:+10/-10 ± 2dB at 10kHz
Bass control	:+12/-12 ± 2dB at 60Hz
Balance control	:>12dB

This set is a part of a system, composed of the following parts:
1)- The set 22DC379/62B.
2)- A remote control + cable.
3)- A remote display 22SY650/62X.
4)- A cable link between the set (connector D) and the display.

-IN CASE YOU NEED PARTS OF THIS SYSTEM, PLEASE CONTACT LOCALLY RENAULT TO GET INFO ABOUT THESE PARTS.



PCS 80 382

This set is protected by a security code. **THE CODE CAN ONLY BE ENTERED VIA THE REMOTE CONTROL.**

Activating the code: Set ON + Preset 5 ↣ COD ↣ 0000 ,enter code ↣ bleep, set operates.

Deactivating the code: Set ON + Preset 5 ↣ COD ↣ 0000, enter code ↣ double bleep, set operates.

Entering the code:

-) Press the On/Off key to switch on the set. COD and then 0000 will appear on the display.

-) To select the four digits of the code:

- Adjust the flashing digit with the thumbwheel on the remote control.
- Press the [VAL] key or [BAS] key on the remote control to change the digit.

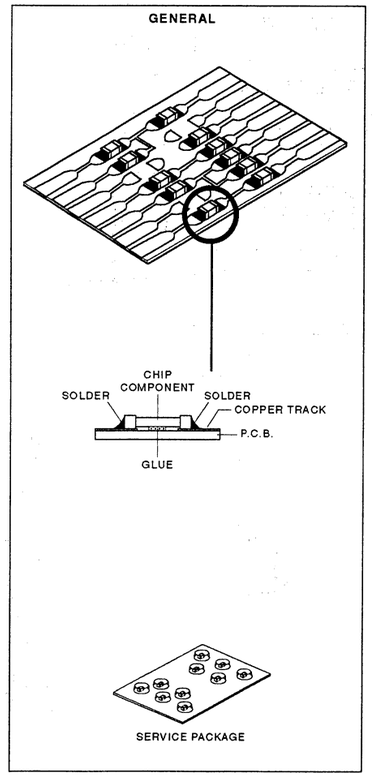
-) Press the [VAL] key or [BAS] key for at leasr 2 seconds to validate the code.

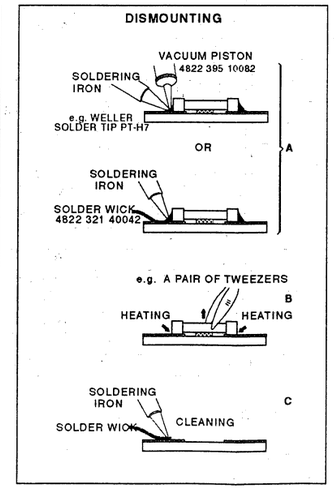
When the code is activated a bleep will be heard.

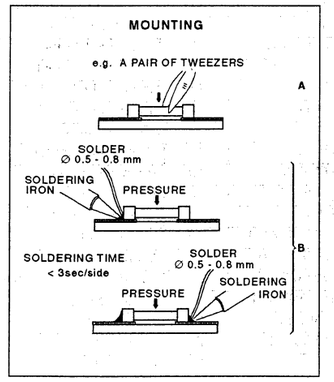
Example : you want to enter the code 7637

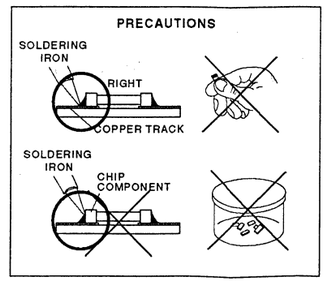
	Turn the thumbwheel Press [VAL] or [BAS]	Turn the thumbwheel Press [VAL] or [BAS]	Turn the thumbwheel Press [VAL] or [BAS]	Turn the thumbwheel Press [VAL] or [BAS]	Press [VAL] or [BAS] for at least 2 seconds
0000	7000	7600	7630	7637	Last heard frequency

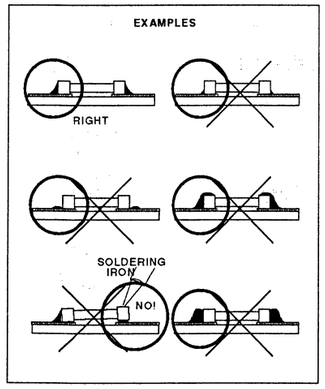
HANDLING CHIP COMPONENTS







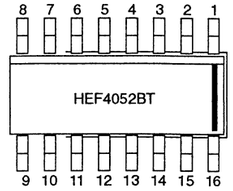




22DC379/62B

HEF4052BT Dual 4 channel analogue multi/demultiplexer

SYMBOL	PIN	DESCRIPTION
Y_{0B}	1	independant input/output 0_B
Y_{2B}	2	independant input/output 2_B
Z_B	3	common input/output B
Y_{3B}	4	independant input/output 3_B
Y_{1B}	5	independant input/output 1_B
$\overline{E}$	6	enable input (active LOW)
V_{EE}	7	ground
V_{SS}	8	ground
A_1	9	address input 1
A_0	10	address input 0
Y_{3A}	11	independant input/output 3_A
Y_{0A}	12	independant input/output 0_A
Z_A	13	common input/output A
Y_{1A}	14	independant input/output 1_A
Y_{2A}	15	independant input/output 2_A
V_{DD}	16	supply

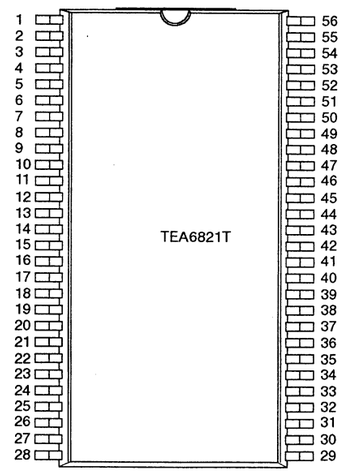


FUNCTION TABLE

inputs			channel
$\overline{E}$	A_1	A_0	ON
L	L	L	Y_{0A}-Z_A; Y_{0B}-Z_B
L	L	H	Y_{1A}-Z_A; Y_{1B}-Z_B
L	H	L	Y_{2A}-Z_A; Y_{2B}-Z_B
L	H	H	Y_{3A}-Z_A; Y_{3B}-Z_B
H	X	X	none

TEA6821T

SYMBOL	PIN	DESCRIPTION	SYMBOL	PIN	DESCRIPTION
QDET1	1	demodulator tank	FMIFAMPOUT	29	FM-IF amplifier output
QDET2	2	demodulator tank	AFGND	30	AF ground
TSWITCH	3	time switch	DEEMPHR	31	de-emphasis capacitor right
GND	4	analog ground	DEEMPHL	32	de-emphasis capacitor left
VPS	5	5 V supply voltage	AMIF2IN1	33	AM IF2 input1
HFBUS1	6	HF bus, pull-up to 5 V	AMIF2IN2	34	AM IF2 input2
HDBUS2	7	HF bus, pull-up to 5 V	FMIN2	35	FM limiter input
XTAL1	8	crystal oscillator	DCFEED	36	DC feed FM limiter
XTAL2	9	crystal oscillator	FMIN1	37	FM limiter input
F_{REFP}	10	PLL reference frequency	LEVELADJ	38	level adjust
F_{REFN}	11	PLL reference frequency	C_{AFC}	39	AFC capacitor
I_{REF}	12	reference current	MPBUF	40	multipath buffer time constant
FMIF1IN1	13	70 MHz FM-IF input	OUTLEFT	41	AF output left
FMIF1IN2	14	70 MHz FM-IF input	FMSTOP	42	FMSTOP adjust
TSDR	15	time constant for SDR	RDS/AMSTOP	43	MPX for RDS/AMSTOP adjust
TSDS	16	time constant for SDS	OUTRIGHT	44	AF output right
V_{SDS}	17	SDS control voltage	MPXIN	45	stereo decoder MPX input
V_{SDR}	18	SDR control voltage	IAC_{IN}	46	IAC input
FMIF2OUT1	19	FM mixer output	MPXOUT	47	FM demodulator MPX output
FMIF2OUT2	20	FM mixer output	AMAFOUT	48	AM demodulator AF output
V_{REF}	21	reference voltage	V_{MUTAML}	49	mute voltage / AM level
AMIF2OUT1	22	AM mixer output	LEVELUNWEIG	50	level unweighted
AMIF2OUT2	23	AM mixer output	$I_{ACCONTR}$	51	IAC control voltage
FMAMDEC	24	FM/AM 10.7 MHz decoupling	V_{PDIG}	52	V_P digital
PHASEDET	25	phase detector	SDA	53	SDA, pull-up to 5 V
PILDET	26	pilot detector	SCL	54	SCL, pull-up to 5 V
FMAM10.7	27	FM/AM 10.7 MHz input	BUSGND	55	bus ground
V_{PIF}	28	V_P IF amplifier	$V_{P8.5}$	56	V_P 8.5 V



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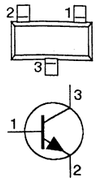

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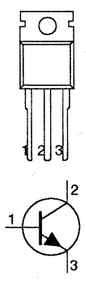

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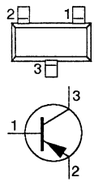

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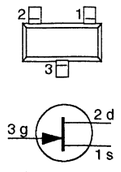

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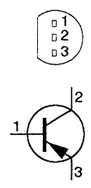
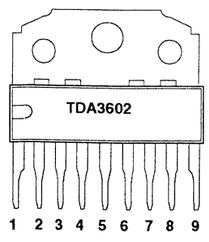


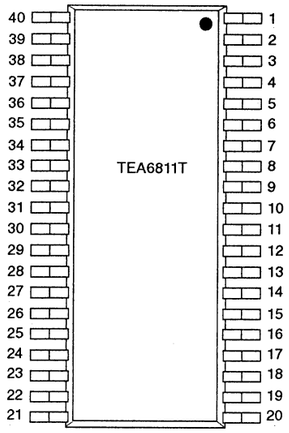
TDA3602 Multiple output voltage regulator

SYMBOL	PIN	DESCRIPTION
V_P	1	positive supply voltage
REG1	2	regulator 1 output
RESET	3	reset output
SCI	4	state control input
HOLD	5	hold output
GND	6	ground
REG3	7	regulator 3 output
V_{bu}	8	back-up
REG2	9	regulator 2 output



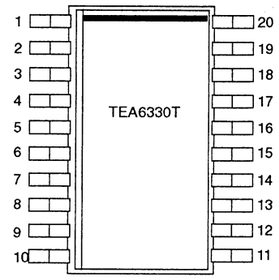
TEA6811 IC91 RF IC

SYMBOL	PIN	DESCRIPTION	SYMBOL	PIN	DESCRIPTION
GNDANF	1	analog ground 5 V	GNDAMM	21	ground AMMIXER
VCCANF	2	analog supply 5 V	AMPREO	22	AMPREAMP output
LCKDET	3	lock detector flag	NC	23	
SDA	4	I2C bus data	AMSBI	24	AM feedback switch SB1
SCL	5	I2C bus clock	AMSBII	25	AM feedback switch SB2
FREFN	6	ref frequency from I2C N-terminal	AMPREI	26	AMPREAMP input
FREFP	7	ref frequency from I2C P-terminal	AMCAGC	27	AM AGC capacitor
GNDDIF	8	digital ground	AMCPRE	28	AM preamp decoupling capacitor
VCCDIF	9	digital supply 5 V	GNDRF	29	RF ground
NC	10		FMRFIP	30	FM MIXER inputs RF
FMIFON	11	outputs of FM-mixer of	FMRFIN	31	
FMIFOP	12	first IF (72.2 MHz)	IPIDIO	32	pin diode drive
VCCE	13	analog supply 8.5 V	FMAGC	33	FM AGC integrating capacitor
GNDE	14	analog ground 8.5 V	REFAGC	34	FM AGC reference voltage
AMMOP	15	outputs of AMMIXER	OSCFDB	35	oscillator FEEDBACK input
AMMON	16	of first IF (10.7 MHz)	GNDOSC	36	oscillator ground
NC	17		OSCTNK	37	oscillator tank output
AMMIN	18	AMMIXER input RF	VCCOSC	38	supply voltage VCO
VREF	19	reference voltage from AMBANDGAP	VTUNE	39	tuning voltage
NC	20		CHPOUT	40	charge pump output



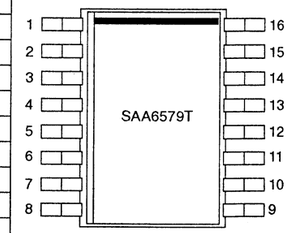
TEA6330T Sound FAder Control circuit (SOFAC)

SYMBOL	PIN	DESCRIPTION
C_{PS}	1	filtering capacitor for power supply
IN-R	2	audio input signal RIGHT
GND1	3	analog ground (0 V)
C_{BR1}	4	capacitor for bass control RIGHTand signal to equalizer
C_{BR2}	5	capacitor for bass control RIGHT
C_{TR}	6	capacitor for treble control RIGHT, input signal for equalizer RIGHT
QRR	7	right audio output signal of rear channel
QRF	8	right audio output signal of front channel
MUTE	9	input to set mute externally
GND2	10	digital ground (0 V) for bus control
SCL	11	clock signal of I^2C-bus
SDA	12	data signal of I^2C-bus
QLF	13	left audio output signal of front channel
QLR	14	left audio output signal of rear channel
C_{TL}	15	capacitor for treble control LEFT, input signal for equalizer LEFT
C_{BL2}	16	capacitor for bass control LEFT
C_{BL1}	17	capacitor for bass control LEFT and signal to equalizer
V_p	18	+8.5 V supply voltage
IN-L	19	audio input signal LEFT
V_{ref}	20	reference voltage output (V_p/2)



SAA6579T Radio Data System demodulator

SYMBOL	PIN	DESCRIPTION
QUAL	1	quality indication output
RDDA	2	RDS data output
V_{ref}	3	reference voltage output (0.5 V_{DDA})
MPX	4	multiplex input signal
V_{DDA}	5	+5V supply voltage for analog part
V_{SSA}	6	ground for analog part (0V)
CIN	7	subcarrier input to comparator
SCOUT	8	subcarrier output for reconstruction filter
TCTR	9	test control
TEN	10	test enable
V_{SSD}	11	ground for digital part (0V)
V_{DDD}	12	+5V supply voltage for digital part
OSCI	13	oscillator input
OSCO	14	oscillator output
T57	15	57kHz clock signal output
RDCL	16	RDS clock output



CHECK AND ALIGNMENT

For checking and adjusting see general procedures

Check	SK				Setting of controls		
Demodulated FM levels	FM	98 MHz 1 mV Δf=22.5 KHz f mod = 1 KHz	B			8 210 mV ± 40 mV	
		98 MHz 1 mV Δf = 6.75 KHz f mod = 19 KHz				8 60 mV ± 10 mV	
		98 MHz 1 mV Δf = 3.75 KHz f mod = 57 KHz				8 30 mV ± 10 mV	
Demodulated AM level	MW	1053 KHz 1 mV 1 KHz, 30% AM	A			250 mV ≤ 7 9 ≤ 350 mV	
VC FM	FM		B	87.5 MHz		10 > 1.2 V	
				108 MHz		10 < 5.5 V	
VC AM	LW		A	144 KHz		10 > 1.2 V	
	MW			1611 KHz		10 < 7.0 V	
FM Mute	FM	93 MHz 1mV	B			5 6 0 dB (775 mV)	
		No signal				5 6 < -10 dB	
0 Discriminator						4 3.4 V ± 400 mV	
Reference oscillator frequencies						1 61.5 MHz ± 3kHz 2 6 MHz ± 0.5%	

Alignment	SK					
RF Oscillator and IF coils	FM	88 MHz 20µV no AF signal	B	88 MHz	5201	10 1.35 V ± 100 mV
	FM	98 MHz <20 µV no AF signal	B	98 MHz	5209 5210	Max DC voltage on pin 50 of IC 7300
	FM	98 MHz 20µV no AF signal	B	93 MHz	5208	Max DC voltage on pin 50 of IC 7300
	AM	1053 KHz 70µV 1 kHz 30%	A	1053 KHz	5301	Max DC voltage on pin 50 of IC 7300
Audio limiting	FM	98 MHz 1 mV Δf=22.5 KHz f mod = 1 KHz	B			5 6 0 dB (775 mV)
		98 MHz 6 µV Δf=22.5 KHz f mod = 1 KHz			3321	5 6 -3 dB
SDS	FM	98 MHz 150µV Δf=22.5 KHz f mod = 1 KHz	B	98 MHz	3303	7 <-> 9 = 10dB ±0.5

Current and Voltages

SET OFF	Voltage	+ ACC ON	V reset Pin 4 µC	Vdd µC pin 38 µC	V hold pin 8 µC	+ ACC OFF
accu supply	+14.4 V	< 3mA	min 0.8 V	min 4.8 V max 5.2 V	max 0.8 V	< 3mA

SET ON

V reset Pin 4 µC	Vdd µC pin 38 µC		V hold pin 8 µC		V 5V E 7501		V 8.5 V E 7502		V EEprom Pin 8	
max 0.8 V	min 4.8 V	mx 5.2 V	min 2 V	max 5.3 V	min 4.6 V	max 5.4 V	min 8.0 V	max 9.0 V	min 4.9 V	max 5.1 V

DC VOLTAGES - Measured in FM - set tuned, unless otherwise stated.

7202 TEA6811V

1 = GND
2 = 5.0 V
3 = Lock 5.0 V
4 = 5.0 V SDA
5 = 5.0 V SCL
6 = 4.9 V
7 = 4.9 V
8 = GND
9 = 5.0 V
10 = GND
11 = 8.5 V
12 = 8.5 V
13 =8.5 V
14 = GND
15 = 8.5 V
16 = 8.5 V
17 = GND
18 = 0.0 V FM - 2.75 V AM
19 = 0.0 V FM - 2.75 V AM
20 = GND
21 = GND
22 = 0.0 V FM - 2.75 V AM
23 = GND
24 = 0.0 V FM - 2.9 V AM
25 = 0.0 V FM - 2.9 V AM
26 = 0.0 V FM - 0.7 V AM
27 = 0.0 V FM - 2.9 V AM
28 = 0.3 V FM - 1.5 V AM
29 = GND
30 = 3.1 V
31 = 3.1 V
32 = 0.0 V
33 = 4.1 V FM - 5.6 V AM
34 = 4.2 V FM - 7.9 V AM
35 = 2.6 V
36 = GND
37 = 6.2 V
38 = 8.5 V
39 = Frequency dependant
40 = Frequency dependant

7300 TEA6821T/V2

1 = 4.0 V
2 = 4.0 V
3 = 0.8 V
4 = GND
5 = 5.0 V
6 = 5.0 V SDA
7 = 5.0 V SCL
8 = 4.1 V
9 = 4.1 V
10 = 4.9 V
11 = 4.9 V
12 = 4.3 V
13 =2.3 V
14 = 2.3 V
15 = N.C.
16 = 5.0 V
17 = 3.0 - 5.5 V
18 = N.C.
19 = 8.5 V
20 = 8.5 V
21 = 5.1 V
22 = 8.5 V
23 = 8.5 V
24 = 3.0 V
25 = 4.7 V
26 = 2.7 V
27 = 3.0 V
28 = 8.5 V
29 = 6.0 V
30 = 3.6 V
31 = 2.3 V
32 = 2.3 V
33 = 2.7 V AM - 0.7 V FM
34 = 2.7 V AM - 0.7 V FM
35 = 0.7 V AM - 2.7 V FM
36 = 2.7 V
37 = 0.7 V AM - 2.7 V FM
38 = 2.6 V
39 = 3.3 V
40 = 0.7 V
41 = 3.6 V
42 = 1.9 V
43 = 3.0 V
44 = 3.6 V
45 = 2.8 V
46 = 3.2 V
47 = 3.0 V
48 = 4.8 V
49 = 5.0 V
50 = 5.2 V
51 = 6.0 V
52 = 5.0 V
53 = 5.0 V
54 = 5.0 V
55 = GND
56 = 8.5 V

7402 TDA7374V

1 = 7.0 V
2 = 7.0 V
3 = 14.4 V
4 = 0.7 V
5 = 0.7 V
6 = 0.7 V
7 = 6.6 V
8 = Earth
9 = GND
10 = N.C.
11 =0.7 V
12 =0.7 V
13 = 14.4 V
14 = 7.0 V
15 = 7.0 V

7602 HEF 4052BT

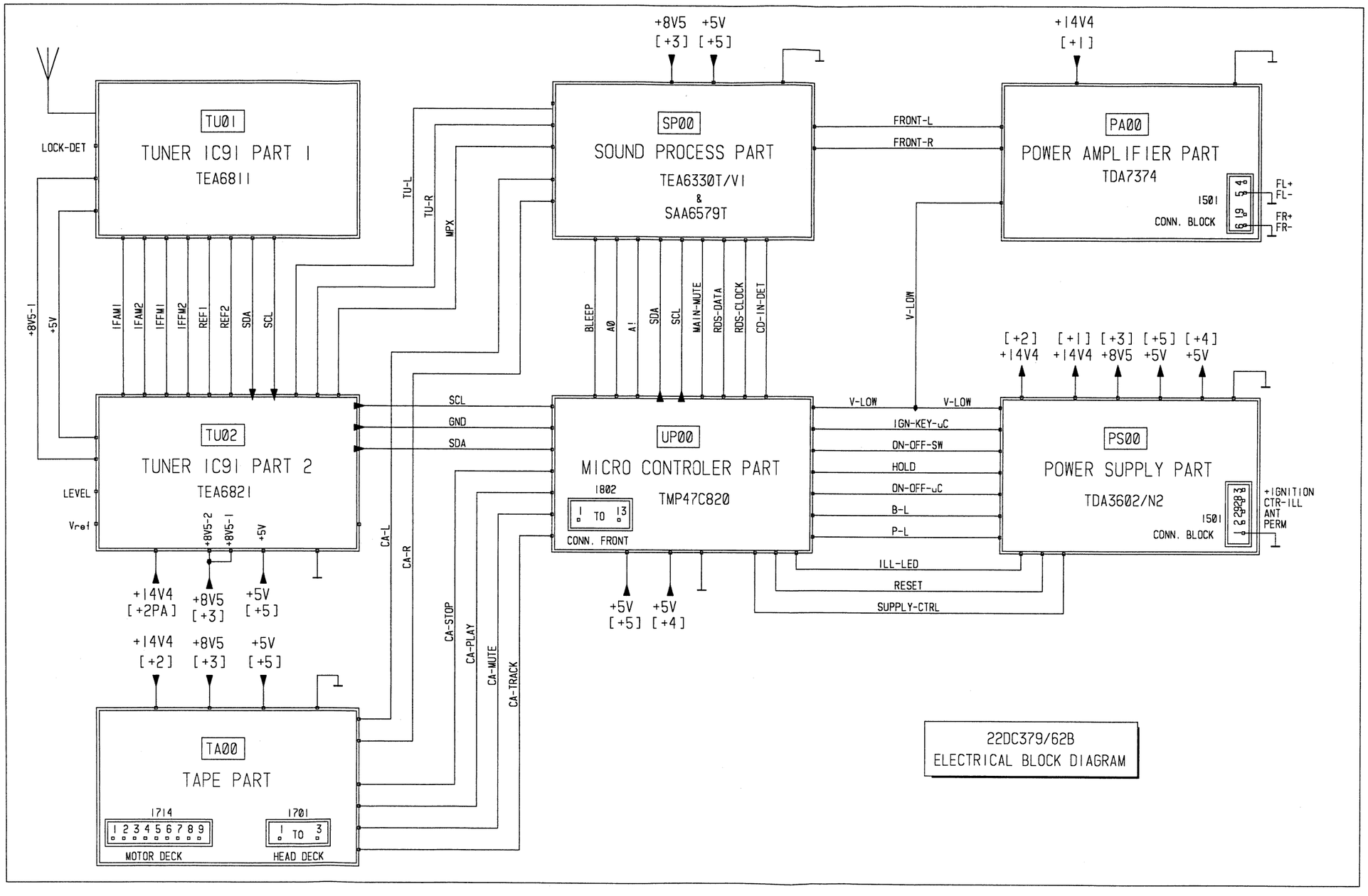
1 = 3.4 V
2 = 5.5 V
3 = 3.4 V
4 = 3.4 V
5 = 3.8 V
6 = GND
7 = GND
8 = GND
9 = 0.0 V
10 = 0.0 V
11 = 3.4 V
12 = 3.5 V
13 = 3.4 V
14 = 3.9 V
15 = 5.5 V
16 = 7.7 V

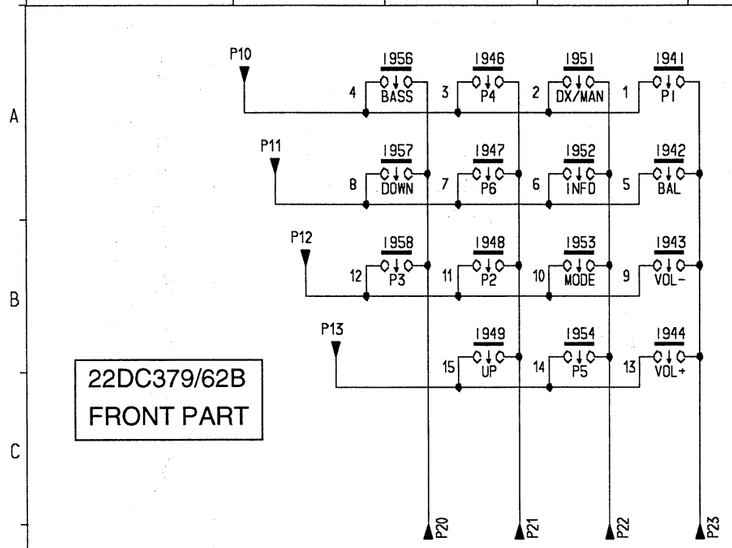
7605 TEA 6330

1 = 7.7 V
2 = 3.8 V
3 = GND
4 = 3.9 V
5 = 3.9 V
6 = 3.9 V
7 = 3.9 V
8 = 3.9 V
9 = 7.7 V
10 = GND
11 = 5.0 V SCL
12 = 5.0 V SDA
13 = 3.9 V
14 = 3.9 V
15 = 3.9 V
16 = 3.9 V
17 = 3.9 V
18 = 7.7 V
19 = 3.9 V
20 = 3.9 V

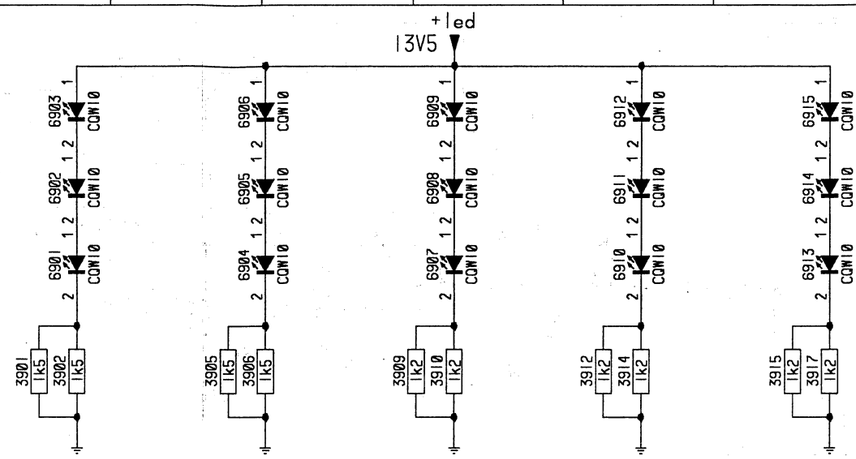
7703 MC4558

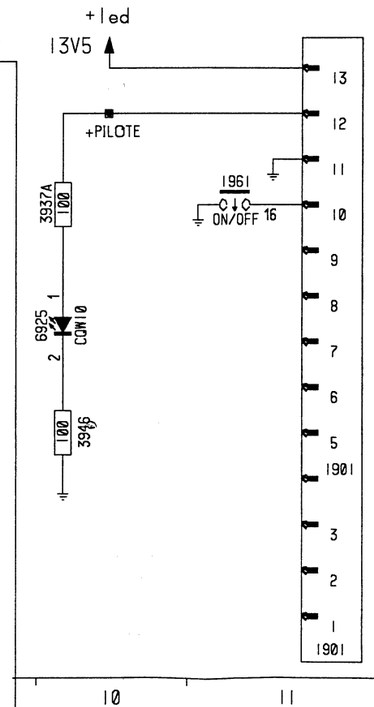
1 = 3.8 V
2 = 3.8 V
3 = 3.8 V
4 = GND
5 = 3.8 V
6 = 3.8 V
7 = 3.8 V
8 = 7.6 V


TU01
TUNER IC91 PART 1
TEA6811
LOCK-DET
+8V5-1
+5V
IFAM1
IFAM2
IFFM1
IFFM2
REF1
REF2
SDA
SCL
TU02
TUNER IC91 PART 2
TEA6821
LEVEL
Vref
+8V5-2
+8V5-1
+5V
+14V4 [+2PA]
+8V5 [+3]
+5V [+5]
+14V4 [+2]
+8V5 [+3]
+5V [+5]
CA-L
CA-R
TU-L
TU-R
MPX
+8V5 [+3]
+5V [+5]
SP00
SOUND PROCESS PART
TEA6330T/V1
&
SAA6579T
BLEEP
A0
A1
SDA
SCL
MAIN-MUTE
RDS-DATA
RDS-CLOCK
CD-IN-DET
SCL
GND
SDA
CA-STOP
CA-PLAY
CA-MUTE
CA-TRACK
UP00
MICRO CONTROLER PART
TMP47C820
1802
1 TO 13
CONN. FRONT
+5V [+5]
+5V [+4]
FRONT-L
FRONT-R
V-LOW
V-LOW
V-LOW
IGN-KEY-uC
ON-OFF-SW
HOLD
ON-OFF-uC
B-L
P-L
ILL-LED
RESET
SUPPLY-CTRL
+14V4 [+1]
PA00
POWER AMPLIFIER PART
TDA7374
1501
CONN. BLOCK
FL+
FL-
FR+
FR-
[+2] +14V4
[+1] +14V4
[+3] +8V5
[+5] +5V
[+4] +5V
PS00
POWER SUPPLY PART
TDA3602/N2
1501
CONN. BLOCK
+IGNITION
CTR-ILL
ANT
PERM
TA00
TAPE PART
1714
1 2 3 4 5 6 7 8 9
MOTOR DECK
1701
1 TO 3
HEAD DECK
22DC379/62B
ELECTRICAL BLOCK DIAGRAM



22DC379/62B
FRONT PART





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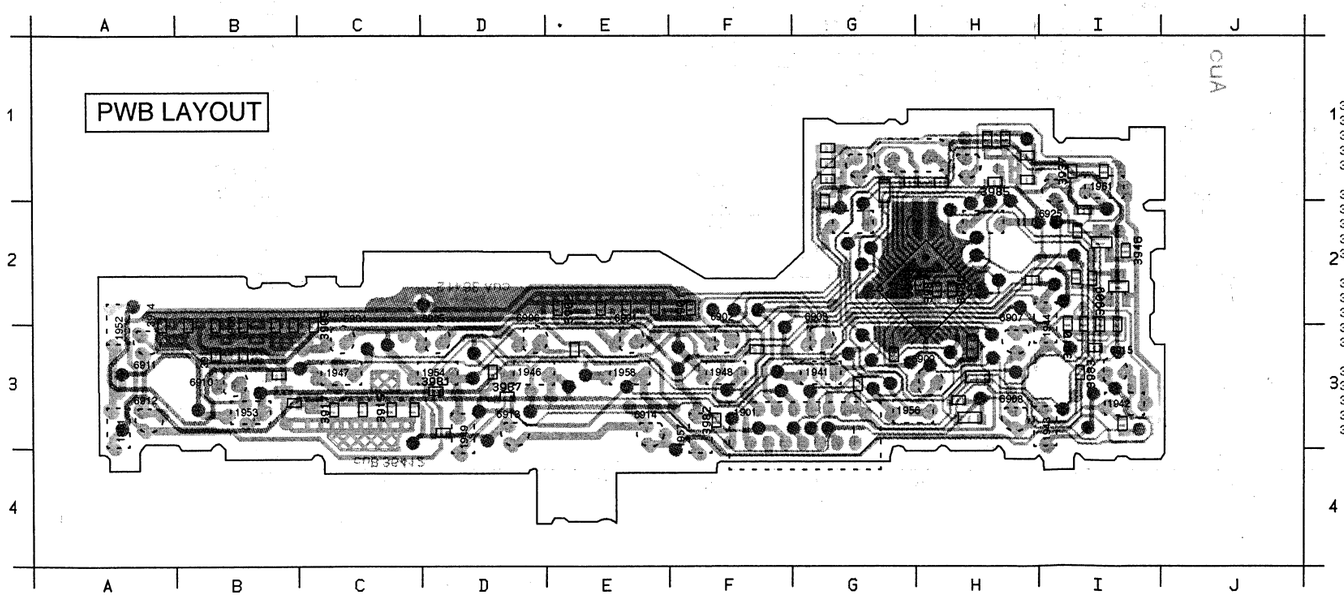
1941	G3	1948	F3	1956	G3	6903	G3	6909	H3	6915	I3
1942	I3	1949	D3	1957	F3	6904	C3	6910	B3	6925	I1
1943	I3	1951	A3	1958	E3	6905	D3	6911	A3		
1944	I3	1952	A2	1961	I1	6906	D3	6912	A3		
1946	D3	1953	B3	6901	E3	6907	H3	6913	D3		



1901 G11
1941 A 4
1942 A 4
1943 B 4
1944 B 4
1946 A 3
1947 A 3
1948 B 3
1949 B 3
1951 A 4
1952 A 4
1953 B 4
1954 B 4
1956 A 3
1957 A 3
1958 B 3
1961 E10
3901 B 5
3902 B 5
3905 B 6
3906 B 6
3909 B 7
3910 B 8
3912 B 9
3914 B 9
3915 B10
3917 B10
3937A E 9
3946 F 9
6901 B 5
6902 A 5
6903 A 5
6904 B 6
6905 A 6
6906 A 6
6907 B 8
6908 A 8
6909 A 8
6910 B 9
6911 A 9
6912 A.9
6913 B10
6914 A10
6915 A10
6925 F 9

3901 F 2
3902 E 2
3905 C 3
3906 B 3
3909 I 2
3910 I 3
3912 B 3
3914 A 3
3915 C 3
3917 C 3
3937 I 1
3946 I 2
3981 D 3
3982 F 3
3983 I 3
3984 G 2
3985 H 1
3986 H 2
3987 D 3
3988 G 3

TUNER IC91 PART 1

[TU01]

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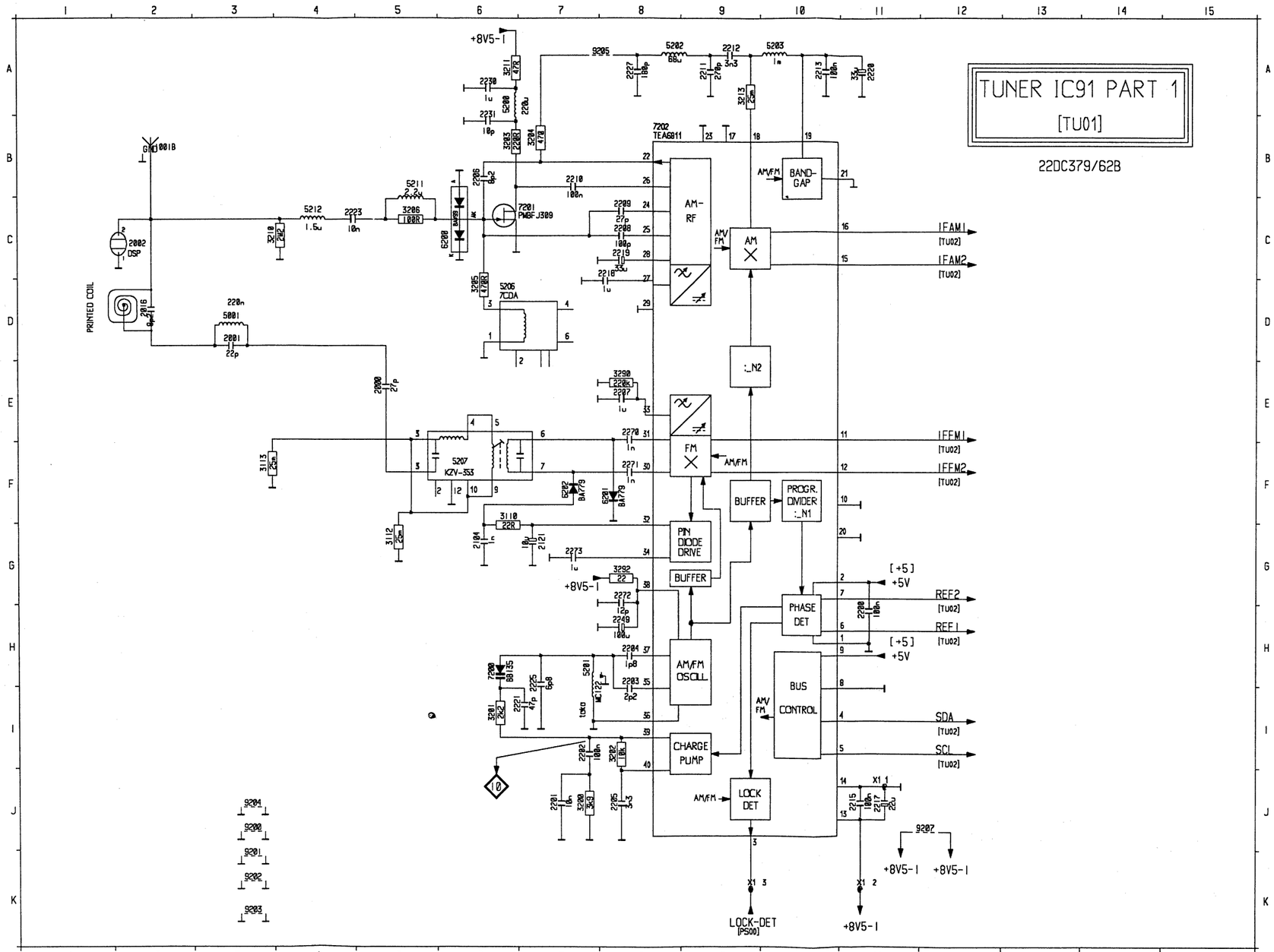

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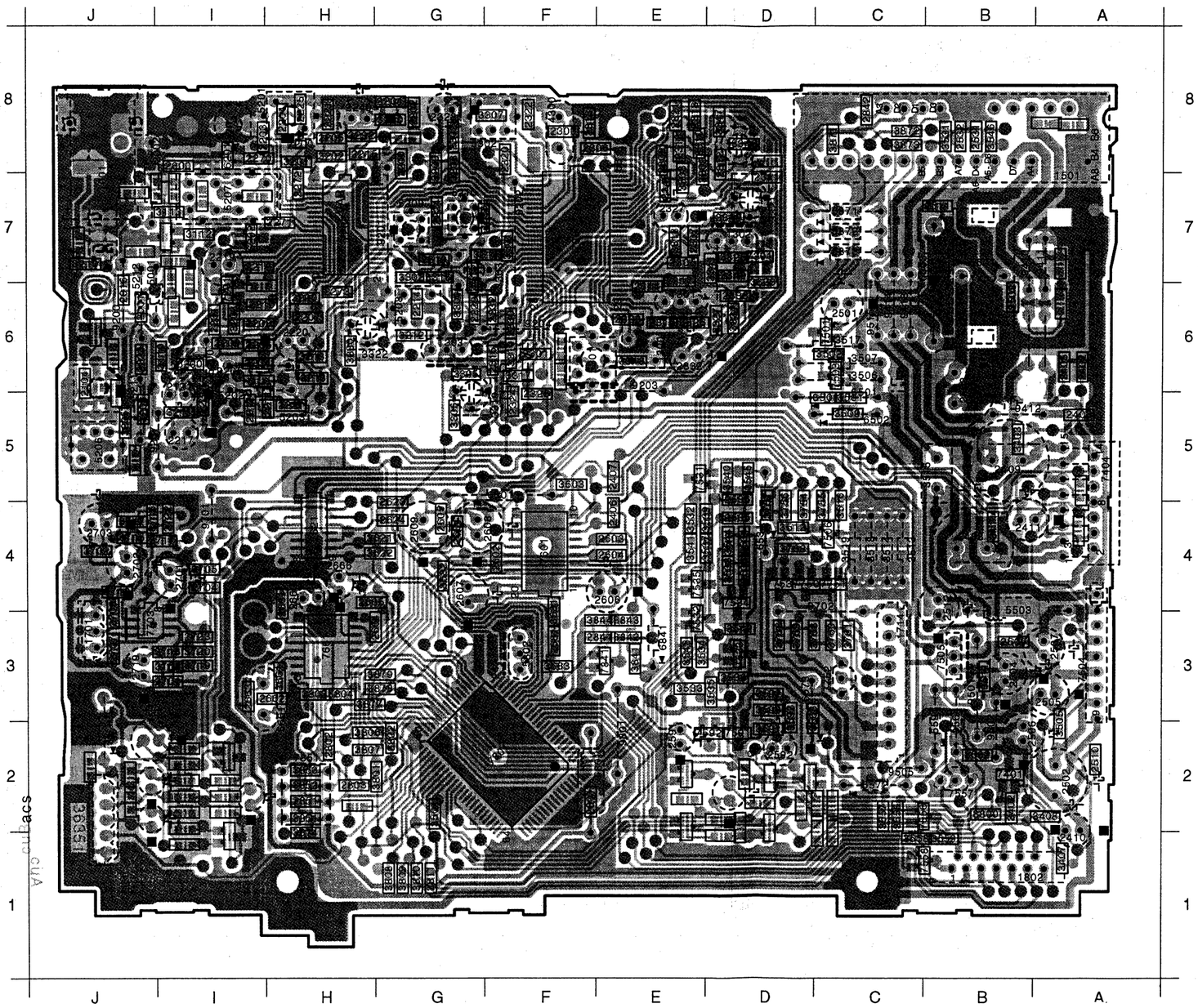
	2000	E 5
	2001	D 3
	2002	C 2
A	2016	D 2
	2104	G 6
	2121	G 7
	2200	H 11
	2201	J 7
	2202	I 7
	2203	H 8
B	2204	H 8
	2205	J 8
	2206	B 6
	2207	E 8
	2208	C 8
	2209	C 8
C	2210	B 8
	2211	A 9
	2212	A 9
	2213	A 10
	2215	J 11
	2217	J 11
	2218	C 8
D	2219	C 8
	2220	A 11
	2221	I 7
	2223	C 4
	2225	H 7
	2227	A 8
E	2230	A 6
	2231	B 6
	2249	H 8
	2270	E 8
	2271	F 8
	2272	G 8
	2273	G 7
F	3110	F 6
	3112	G 5
	3113	F 3
	3200	J 7
	3201	I 6
	3202	I 8
G	3203	B 6
	3204	B 7
	3205	D 6
	3206	C 5
	3210	C 3
	3211	A 6
	3213	A 9
	3290	E 8
H	3292	G 8
	5001	D 3
	5200	A 6
	5201	H 7
	5202	A 8
	5203	A 10
I	5206	D 6
	5207	F 6
	5211	B 5
	5212	C 4
	6200	C 6
	6201	F 8
J	6202	F 7
	7200	H 6
	7201	C 7
	7202	B 8
	9200	J 3
	9201	K 3
K	9202	K 3
	9203	K 3
	9204	J 3
	9205	A 8
	9207	J 12

1001 J 8	2002 J 8	2408 B 5	2506 B 3	2660 H 4	3322 H 7	3564 B 3	5208 G 7	5661 I 3	6591 B 3	7557 B 2	9207 I 6	9515 C 7	
1300 E 6	2121 I 6	2409 B 5	2507 A 4	2666 H 4	3506 C 6	4300 F 8	5209 G 7	5801 F 2	6601 F 5	7752 C 3	9410 B 7	9701 I 5	
1301 E 7	2217 I 6	2410 A 2	2512 B 4	2701 I 4	3507 C 6	5001 I 7	5210 G 8	5802 F 4	6841 E 4	7851 H 2	9411 A 7	9702 C 4	
1302 D 7	2219 I 7	2411 B 5	2591 E 3	2702 J 4	3513 C 5	5200 I 6	5211 J 6	6501 C 6	6871 C 8	9200 J 7	9412 B 6	9801 E 3	
1303 G 6	2220 H 6	2501 C 7	2592 D 3	2703 J 5	3514 C 5	5201 H 8	5212 J 7	6502 C 6	6872 C 7	9201 G 7	9413 C 7		
1501 A 8	2249 H 8	2502 A 2	2606 E 4	2719 J 3	3515 B 5	5202 I 6	5301 F 6	6503 B 7	6873 C 7	9202 F 7	9414 C 7		
1701 J 4	2327 E 8	2503 B 6	2607 G 4	3303 G 7	3517 C 6	5203 H 6	5302 F 8	6531 D 5	7404 A 5	9203 E 6	9501 B 3		
1714 C 3	2328 G 8	2504 B 3	2608 G 5	3319 G 6	3518 C 5	5206 J 5	5501 B 7	6572 C 2	7504 A 4	9204 F 7	9502 B 3		
1802 B 2	2332 E 6	2505 A 3	2609 G 5	3321 D 8	3519 C 5	5207 I 8	5503 B 4	6573 D 3	7505 B 4	9205 I 6	9505 C 3		

22DC379/62B •



2000 I 8	2601 G 5	3505 A 3	3853 H 2	
2001 J 7	2602 F 4	3508 C 6	3871 C 8	
2016 J 7	2603 E 5	3509 C 6	3872 C 8	
2104 J 6	2604 E 4	3511 B 3	3873 C 8	
2200 G 8	2605 G 5	3512 D 5	3874 H 2	
2201 G 8	2623 G 5	3516 C 5	3877 H 3	
2202 G 8	2624 G 5	3531 B 8	3878 G 3	
2203 H 8	2661 H 4	3532 E 5	3879 G 3	
2204 H 8	2662 H 3	3533 E 3	6200 I 6	
2205 H 8	2663 I 3	3534 E 4	6201 I 8	
2206 I 6	2664 G 4	3535 D 3	6202 I 7	
8 2207 H 7	2665 H 4	3536 D 4	7200 H 8	
2208 I 7	2681 F 4	3537 D 5	7201 I 7	
2209 I 6	2704 I 4	3538 D 4	7202 H 7	
2210 I 7	2707 J 4	3539 D 5	7300 F 7	
2211 H 6	2708 J 4	3540 D 5	7301 D 7	
2212 I 6	2717 I 5	3541 E 5	7401 B 2	
2213 H 6	2722 I 5	3542 D 4	7501 C 6	
2214 G 7	2723 I 4	3543 E 4	7503 C 6	
2215 H 8	2801 F 2	3544 D 5	7506 C 5	
7 2218 I 7	2802 H 3	3545 D 5	7531 E 5	
2221 H 8	2803 H 2	3546 B 8	7532 E 4	
2223 J 6	2841 E 4	3556 C 2	7533 D 4	
2224 G 8	2842 C 8	3557 C 2	7534 D 4	
2225 H 8	2851 H 2	3558 C 2	7535 E 4	
2227 H 6	3110 I 6	3559 B 2	7556 C 2	
2228 F 8	3112 I 7	3562 B 3	7558 C 2	
2229 G 7	3113 I 8	3563 D 3	7591 D 3	
6 2230 I 6	3200 G 8	3590 D 3	7592 D 3	
2231 I 7	3201 H 8	3591 D 3	7601 F 4	
2232 F 7	3202 H 8	3592 D 3	7621 H 5	
2270 I 8	3203 I 7	3593 D 3	7661 H 4	
2271 H 7	3204 I 6	3603 F 5	7703 J 4	
2272 H 8	3205 J 6	3621 G 5	7750 D 4	
2273 H 7	3206 J 6	3622 G 4	7751 C 4	
5 2300 F 8	3208 G 8	3661 H 3	7753 D 4	
2301 F 6	3209 G 8	3681 F 4	7801 F 3	
2302 G 8	3210 J 7	3682 G 4	7841 E 3	
2305 E 7	3211 I 6	3683 F 3		
2306 E 8	3212 G 6	3701 I 3		
2307 E 7	3213 H 6	3702 J 4		
2308 E 7	3290 H 7	3705 I 4		
2309 E 8	3292 H 8	3709 I 3		
4 2310 E 8	3300 G 7	3710 J 4		
2311 D 8	3301 F 7	3715 J 5		
2312 D 8	3302 G 7	3716 J 5		
2313 E 8	3305 G 6	3717 J 5		
2314 E 7	3306 G 6	3718 I 4		
2315 F 6	3307 F 8	3719 I 3		
2316 E 7	3308 E 8	3720 I 4		
3 2317 E 7	3309 E 8	3754 D 5		
2318 E 8	3310 F 6	3755 C 5		
2319 G 7	3313 F 8	3756 D 5		
2320 F 8	3314 F 7	3757 D 5		
2321 E 8	3315 G 7	3758 D 4		
2322 F 8	3316 G 7	3759 D 4		
2324 F 6	3317 F 6	3760 C 4		
2325 F 6	3318 E 7	3761 C 4		
2 2330 F 7	3323 D 7	3762 D 4		
2333 D 7	3324 D 7	3763 D 5		
2340 E 8	3325 D 7	3800 B 2		
2349 D 7	3326 E 7	3801 G 2		
2402 A 6	3327 D 7	3802 G 3		
2403 A 6	3330 H 6	3803 H 3		
2405 A 6	3341 D 7	3804 H 3		
2406 E 5	3346 D 8	3806 H 3		
1 2407 E 5	3347 D 8	3807 H 3		
2508 B 7	3348 E 6	3808 G 2		
2509 B 4	3349 D 8	3809 G 2		
2510 A 3	3402 B 2	3810 G 2		
2511 B 8	3403 B 6	3811 G 2		
2531 B 8	3407 A 2	3841 E 3		
2532 B 8	3408 A 2	3842 E 4		
2533 D 3	3411 B 5	3843 E 4		
2534 D 5	3501 C 6	3844 E 4		
2535 D 5	3502 C 6	3851 H 2		
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TUNER IC91 PART 2

[TU02]

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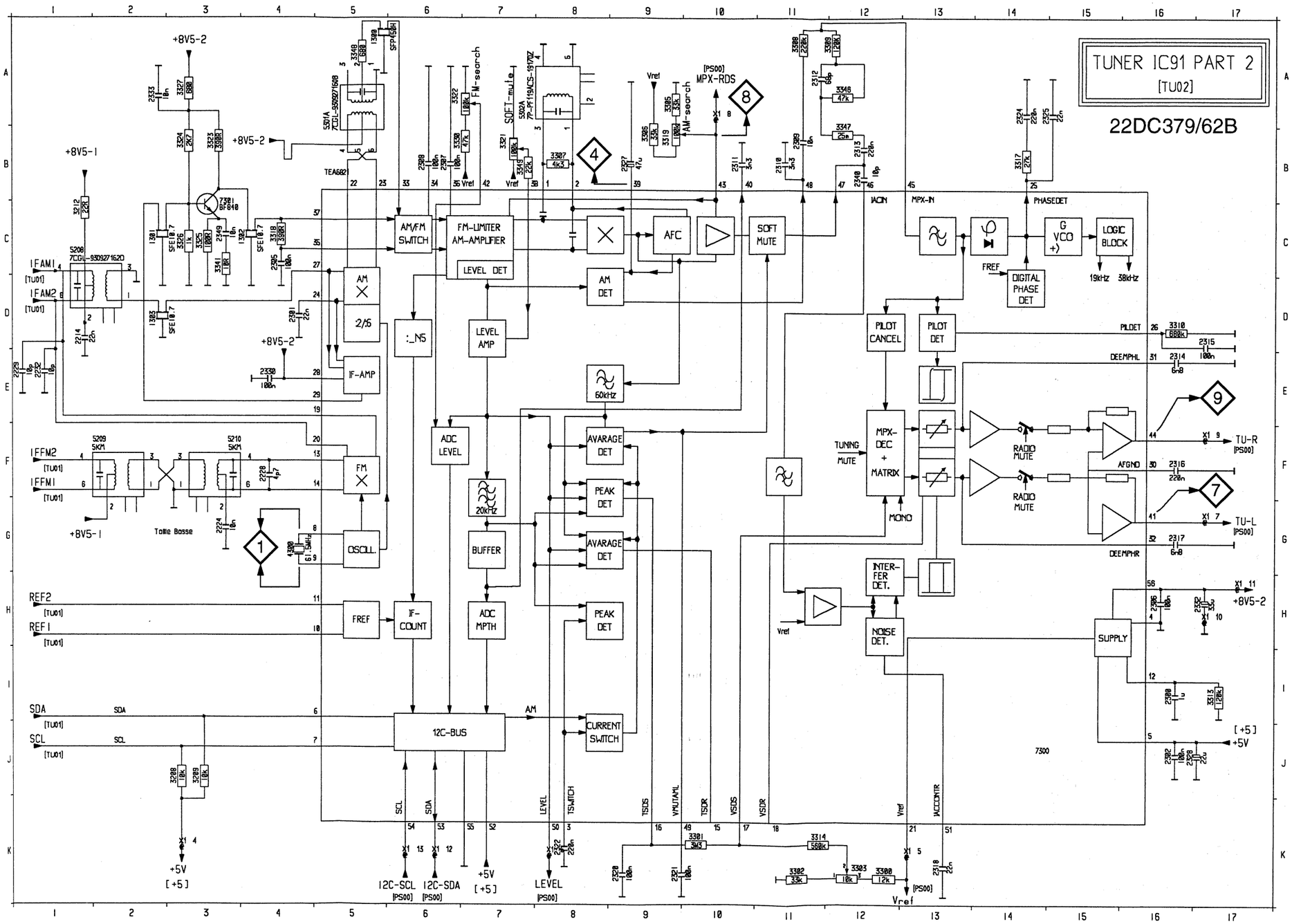

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1301 C 2
1302 C 4
1303 D 2
2214 D 1
2224 G 3
2228 F 4
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2300 I 16
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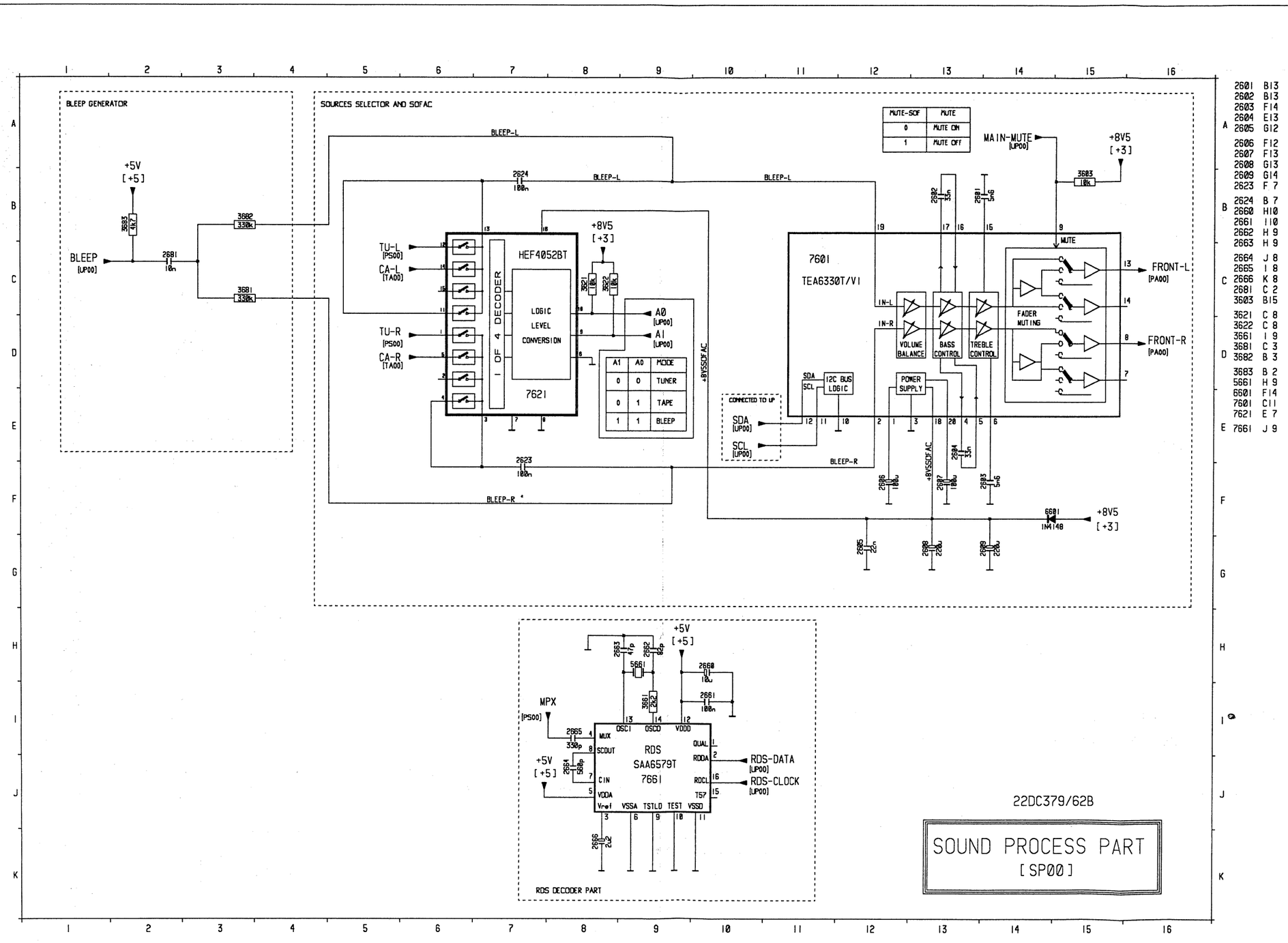
2302 J 16
2305 C 4
2306 H 16
2307 B 6
2308 B 6
2309 B 11
2310 B 11
2311 B 10
2312 A 11
2313 B 12
2314 E 16
2315 D 17
2316 F 16
2317 G 16
2318 K 13
2320 K 9
2321 K 9
2322 K 8
2324 A 14
2325 A 14
2327 B 9
2328 J 16
2330 E 4
2332 H 17
2333 A 2
2340 B 12
2349 C 3
3208 J 3
3209 J 3
3212 C 1
3300 K 12
3301 K 10
3302 K 11
3303 K 12
3305 A 9
3306 B 9
3307 B 8
3308 A 11
3309 A 12
3310 D 16
3313 I 17
3314 K 11
3317 B 14
3318 C 4
3319 B 9
3321 B 7
3322 A 6
3323 B 3
3324 B 3
3325 C 3
3326 C 3
3327 A 3
3330 B 6
3341 C 3
3346 A 12
3347 B 12
3348 A 5
3349 B 7
4300 G 4
5208 C 1
5209 F 1
5210 F 3
5301 B 5
5302 A 7
7300 J 14
7301 C 3


BLEEP GENERATOR
SOURCES SELECTOR AND SOFAC
+5V [+5]
BLEEP [UP00]
3685 4K7
3682 330k
3681 330k
2681 10n
BLEEP-L
BLEEP-R
2624 100n
2623 100n
TU-L [PS00]
CA-L [TA00]
TU-R [PS00]
CA-R [TA00]
HEF4052BT
1 OF 4 DECODER
LOGIC LEVEL CONVERSION
7621
+8V5 [+3]
3621 10k
3622 10k
A0 [UP00]
A1 [UP00]
A1 A0 MODE
0 0 TUNER
0 1 TAPE
1 1 BLEEP
+8VSSOFAC
MUTE-SOF MUTE
0 MUTE ON
1 MUTE OFF
MAIN-MUTE [UP00]
3683 10k
2682 33n
2681 5n6
7601
TEA6330T/V1
MUTE
FADER MUTING
IN-L
IN-R
VOLUME BALANCE
BASS CONTROL
TREBLE CONTROL
FRONT-L [PA00]
FRONT-R [PA00]
POWER SUPPLY
SDA
SCL
I2C BUS LOGIC
CONNECTED TO UP
SDA [UP00]
SCL [UP00]
2684 33n
2686 100u
2687 100u
2683 5n6
6681 1N4148
2685 22n
2688 220u
2689 220u
2601 B13
2602 B13
2603 F14
2604 E13
2605 G12
2606 F12
2607 F13
2608 G13
2609 G14
2623 F 7
2624 B 7
2660 H10
2661 I10
2662 H 9
2663 H 9
2664 J 8
2665 I 8
2666 K 8
2681 C 2
3603 B15
3621 C 8
3622 C 8
5661 I 9
3681 C 3
3682 B 3
3683 B 2
5661 H 9
6601 F14
7601 C11
7621 E 7
7661 J 9
+5V [+5]
2663 47p
2662 82p
5661
2660 10u
2661 100n
3661 2K2
MPX [PS00]
2665 330p
2664 330p
RDS SAA6579T 7661
OSCI OSCO VDDD
MUX
SCOUT
CIN
VDDA
Vref VSSA TSTLD TEST VSSD
QUAL
RDDA
RDCL
T57
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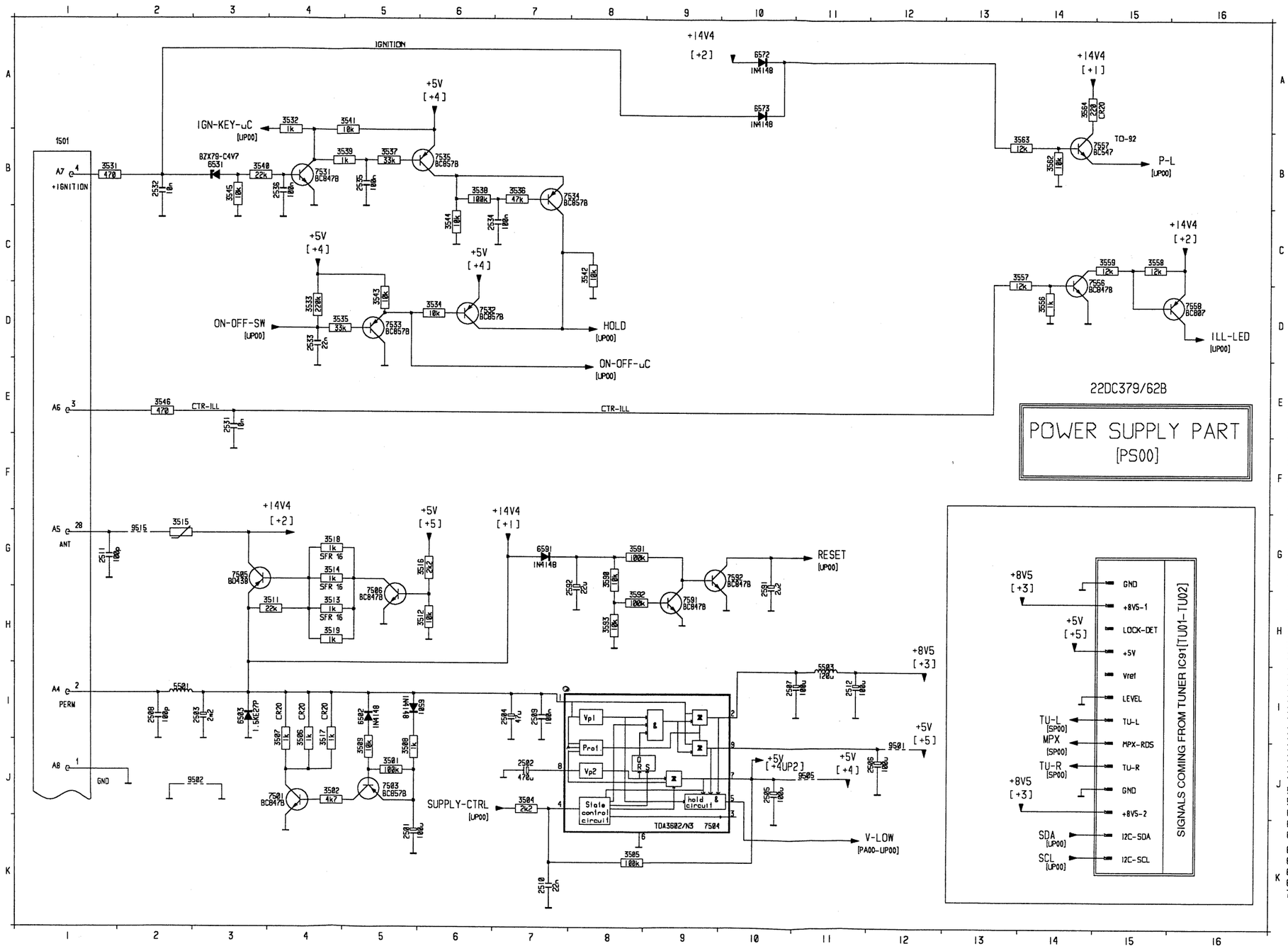
RDS-CLOCK [UP00]
2666 2u2
RDS DECODER PART
22DC379/62B
SOUND PROCESS PART
[SP00]



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	2501	K 5	7504	K 9
	2502	J 7	7505	G 3
	2503	I 3	7506	H 5
	2504	I 7	7531	B 4
A	2505	J10	7532	D 6
	2506	J12	7533	D 5
	2507	I10	7534	B 7
	2508	I 2	7535	B 6
	2509	I 7	7556	C14
	2510	K 7	7557	B14
	2511	G 1	7558	D16
	2512	I11	7591	H 9
B	2531	E 3	7592	G10
	2532	B 2	9501	J12
	2533	D 4	9502	J 3
	2534	C 6	9505	J11
	2535	B 5	9515	G 2
	2536	B 4		
	2591	G10		
C	2592	G 8		
	3501	J 5		
	3502	J 4		
	3504	J 7		
	3505	K 8		
	3506	I 4		
D	3507	I 4		
	3508	J 5		
	3509	J 5		
	3511	H 4		
	3512	H 6		
	3513	H 4		
	3514	G 4		
E	3515	G 2		
	3516	G 6		
	3517	I 4		
	3518	G 4		
	3519	H 4		
	3531	B 1		
F	3532	A 4		
	3533	D 4		
	3534	D 6		
	3535	D 4		
	3536	B 7		
	3537	B 5		
G	3538	B 6		
	3539	B 5		
	3540	B 3		
	3541	A 5		
	3542	C 8		
	3543	D 5		
	3544	C 6		
H	3545	B 3		
	3546	E 2		
	3556	D14		
	3557	C14		
	3558	C15		
	3559	C15		
I	3562	B14		
	3563	B14		
	3564	A14		
	3590	G 8		
	3591	G 8		
	3592	H 8		
	3593	H 8		
J	5501	I 2		
	5503	I11		
	6501	I 6		
	6502	I 5		
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K	6573	A10		
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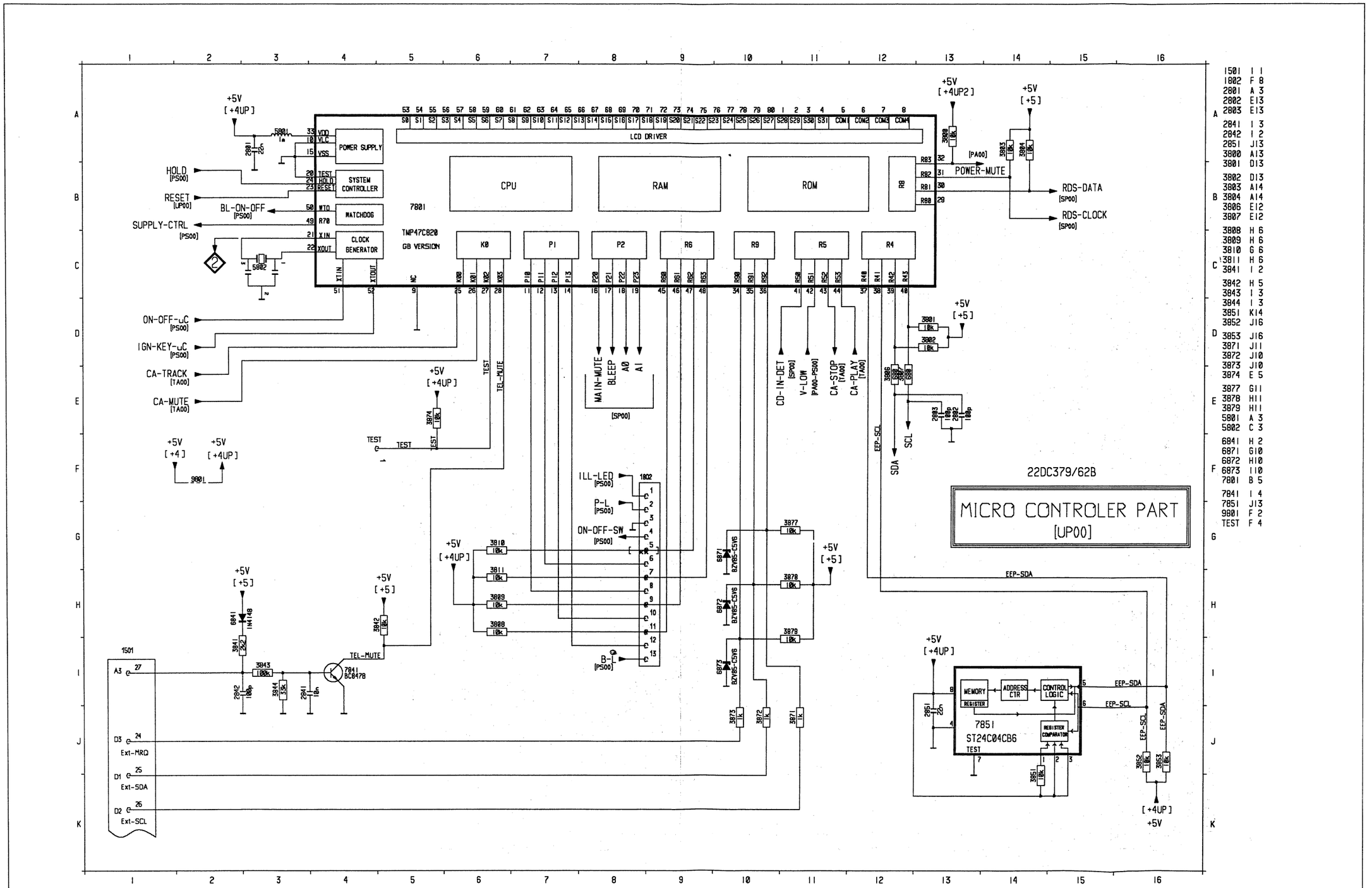

1501 I 1
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2801 A 3
2802 E13
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3806 E12
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3809 H 6
3810 G 6
3811 H 6
3841 I 2
3842 H 5
3843 I 3
3844 I 3
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3878 H11
3879 H11
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6873 I10
7801 B 5
7841 I 4
7851 J13
9801 F 2
TEST F 4

1001 J 8 2002 J 8 2408 B 5 2506 B 3 2660 H 4 3322 H 7 3564 B 3 5208 G 7 5661 I 3 6591 B 3 7557 B 2 9207 I 6 9515 C 7
1300 E 6 2121 I 6 2409 B 5 2507 A 4 2666 H 4 3506 C 6 4300 F 8 5209 G 7 5801 F 2 6601 F 5 7752 C 3 9410 B 7 9701 I 5
1301 E 7 2217 I 6 2410 A 2 2512 B 4 2701 I 4 3507 C 6 5001 I 7 5210 G 8 5802 F 4 6841 E 4 7851 H 2 9411 A 7 9702 C 4
1302 D 7 2219 I 7 2411 B 5 2591 E 3 2702 J 4 3513 C 5 5200 I 6 5211 J 6 6501 C 6 6871 C 8 9200 J 7 9412 B 6 9801 E 3
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1701 J 4 2327 E 8 2503 B 6 2607 G 4 3303 G 7 3517 C 6 5203 H 6 5302 F 8 6531 D 5 7404 A 5 9203 E 6 9501 B 3
1714 C 3 2328 G 8 2504 B 3 2608 G 5 3319 G 6 3518 C 5 5206 J 5 5501 B 7 6572 C 2 7504 A 4 9204 F 7 9502 B 3
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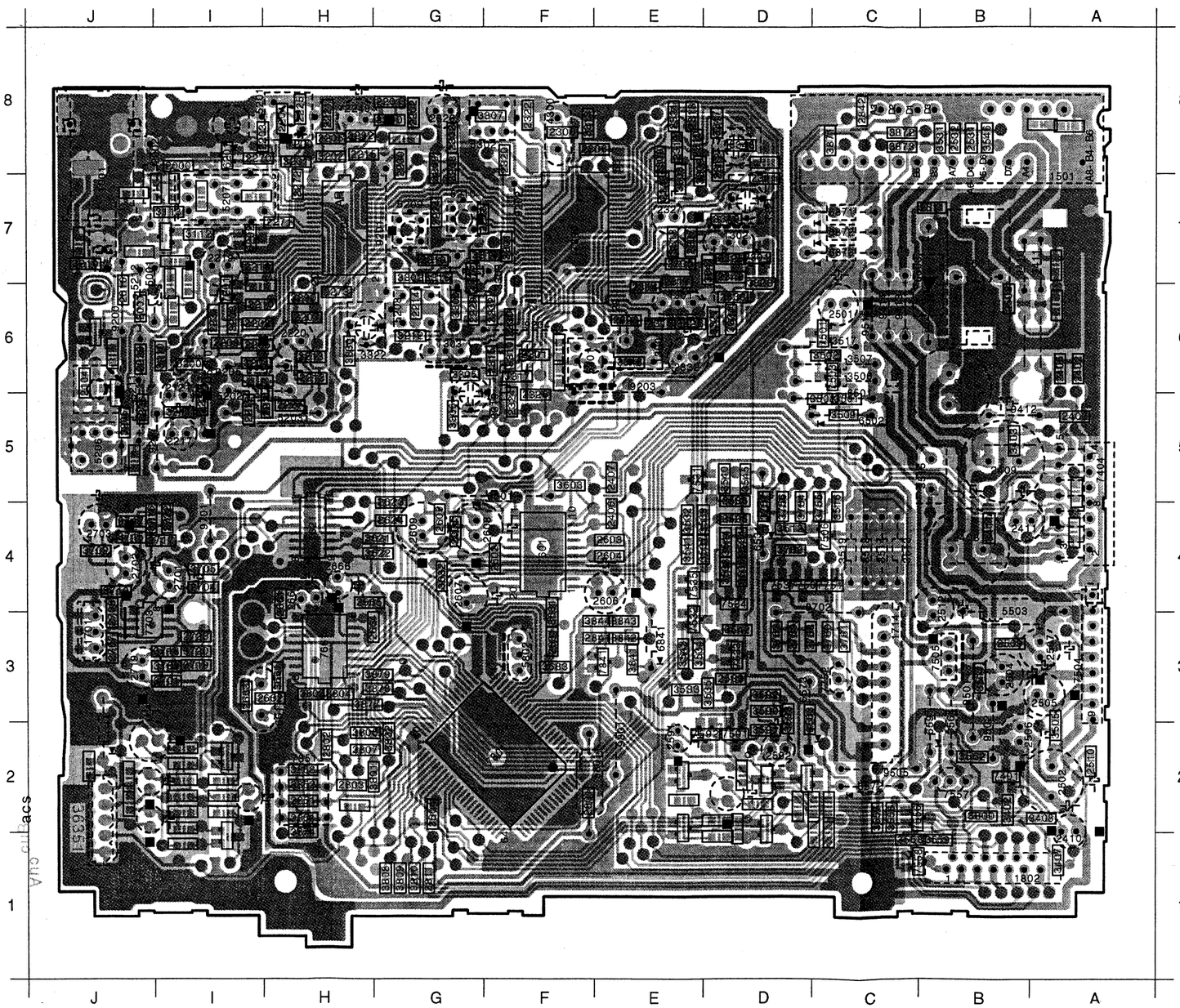

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2200 G 8 2605 G 5 3512 D 5 3874 H 2

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2202 G 8 2624 G 5 3531 B 8 3878 G 3
2203 H 8 2661 H 4 3532 E 5 3879 G 3
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2205 H 8 2663 I 3 3534 E 4 6201 I 8

2206 I 6 2664 G 4 3535 D 3 6202 I 7
2207 H 7 2665 H 4 3536 D 4 7200 H 8
2208 I 7 2681 F 4 3537 D 5 7201 I 7
2209 I 6 2704 I 4 3538 D 4 7202 H 7
2210 I 7 2707 J 4 3539 D 5 7300 F 7

2211 H 6 2708 J 4 3540 D 5 7301 D 7
2212 I 6 2717 I 5 3541 E 5 7401 B 2
2213 H 6 2722 I 5 3542 D 4 7501 C 6
2214 G 7 2723 I 4 3543 E 4 7503 C 6
2215 H 8 2801 F 2 3544 D 5 7506 C 5

2218 I 7 2802 H 3 3545 D 5 7531 E 5
2221 H 8 2803 H 2 3546 B 8 7532 E 4
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2224 G 8 2842 C 8 3557 C 2 7534 D 4
2225 H 8 2851 H 2 3558 C 2 7535 E 4

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2228 F 8 3112 I 7 3562 B 3 7558 C 2
2229 G 7 3113 I 8 3563 D 3 7591 D 3
2230 I 6 3200 G 8 3590 D 3 7592 D 3
2231 I 7 3201 H 8 3591 D 3 7601 F 4

2232 F 7 3202 H 8 3592 D 3 7621 H 5
2270 I 8 3203 I 7 3593 D 3 7661 H 4
2271 H 7 3204 I 6 3603 F 5 7703 J 4
2272 H 8 3205 J 6 3621 G 5 7750 D 4
2273 H 7 3206 J 6 3622 G 4 7751 C 4

2300 F 8 3208 G 8 3661 H 3 7753 D 4
2301 F 6 3209 G 8 3681 F 4 7801 F 3
2302 G 8 3210 J 7 3682 G 4 7841 E 3
2305 E 7 3211 I 6 3683 F 3
2306 E 8 3212 G 6 3701 I 3

2307 E 7 3213 H 6 3702 J 4
2308 E 7 3290 H 7 3705 I 4
2309 E 8 3292 H 8 3709 I 3
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2311 D 8 3301 F 7 3715 J 5

2312 D 8 3302 G 7 3716 J 5
2313 E 8 3305 G 6 3717 J 5
2314 E 7 3306 G 6 3718 I 4
2315 F 6 3307 F 8 3719 I 3
2316 E 7 3308 E 8 3720 I 4

2317 E 7 3309 E 8 3754 D 5
2318 E 8 3310 F 6 3755 C 5
2319 G 7 3313 F 8 3756 D 5
2320 F 8 3314 F 7 3757 D 5
2321 E 8 3315 G 7 3758 D 4

2322 F 8 3316 G 7 3759 D 4
2324 F 6 3317 F 6 3760 C 4
2325 F 6 3318 E 7 3761 C 4
2330 F 7 3323 D 7 3762 D 4
2333 D 7 3324 D 7 3763 D 5

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2511 B 8 3403 B 6 3811 G 2
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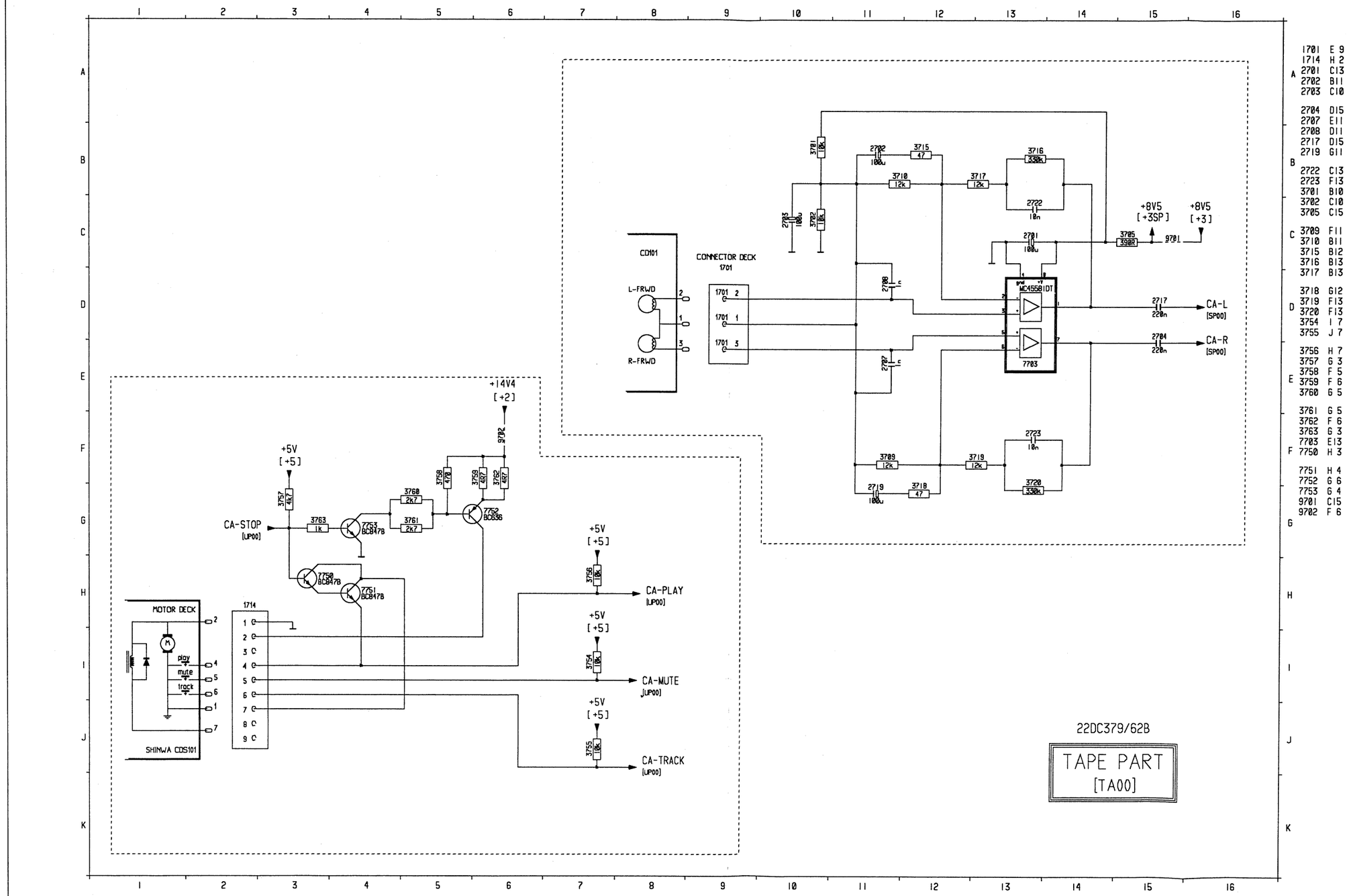
PCS 80 393



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A	2701	C13
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	2704	D15
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	2717	D15
	2719	G11
B	2722	C13
	2723	F13
	3701	B10
	3702	C10
	3705	C15
C	3709	F11
	3710	B11
	3715	B12
	3716	B13
	3717	B13
	3718	G12
D	3719	F13
	3720	F13
	3754	I 7
	3755	J 7
	3756	H 7
	3757	G 3
	3758	F 5
E	3759	F 6
	3760	G 5
	3761	G 5
	3762	F 6
	3763	G 3
	7703	E13
F	7750	H 3
	7751	H 4
	7752	G 6
	7753	G 4
	9701	C15
	9702	F 6

POWER AMPLIFIER PART
[PA00]

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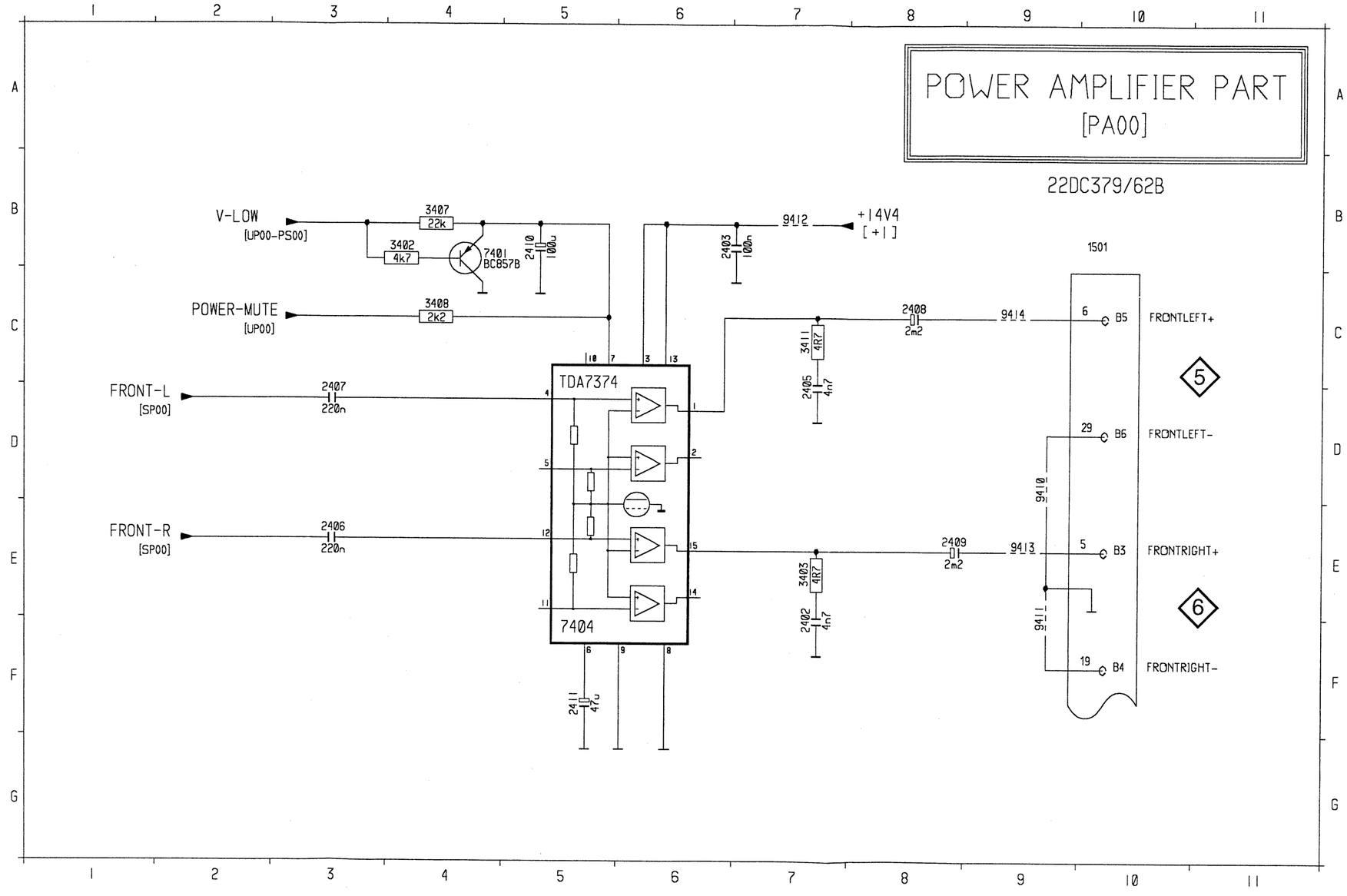

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	2403	B 6
	2405	D 7
	2406	E 3
	2407	D 3
	2408	C 8
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	2410	B 5
	2411	F 5
	3402	B 4
	3403	E 7
	3407	B 4
C	3408	C 4
	3411	C 7
	7401	B 4
	7404	F 5
	9410	D 9
	9411	E 9
	9412	B 7
D	9413	E 9
	9414	C 9

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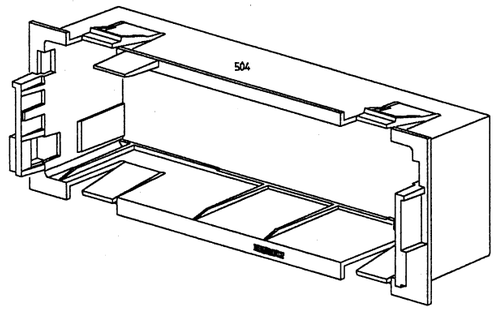
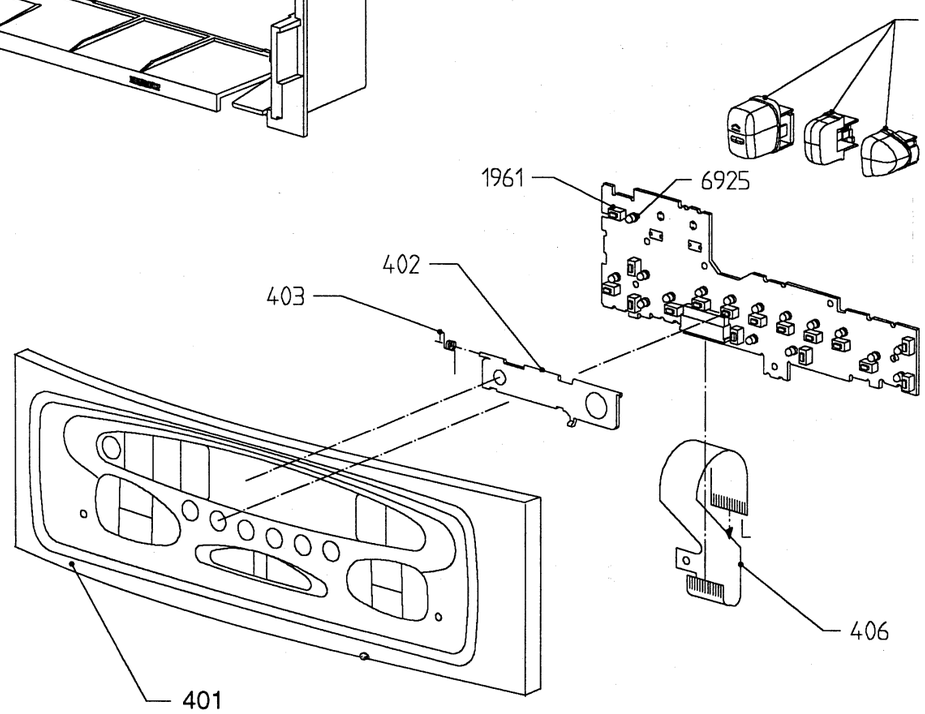
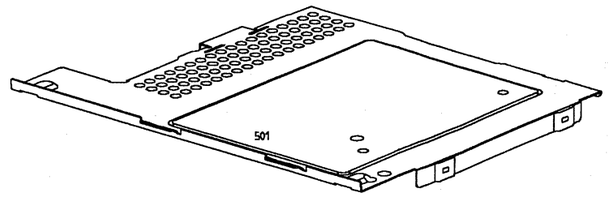
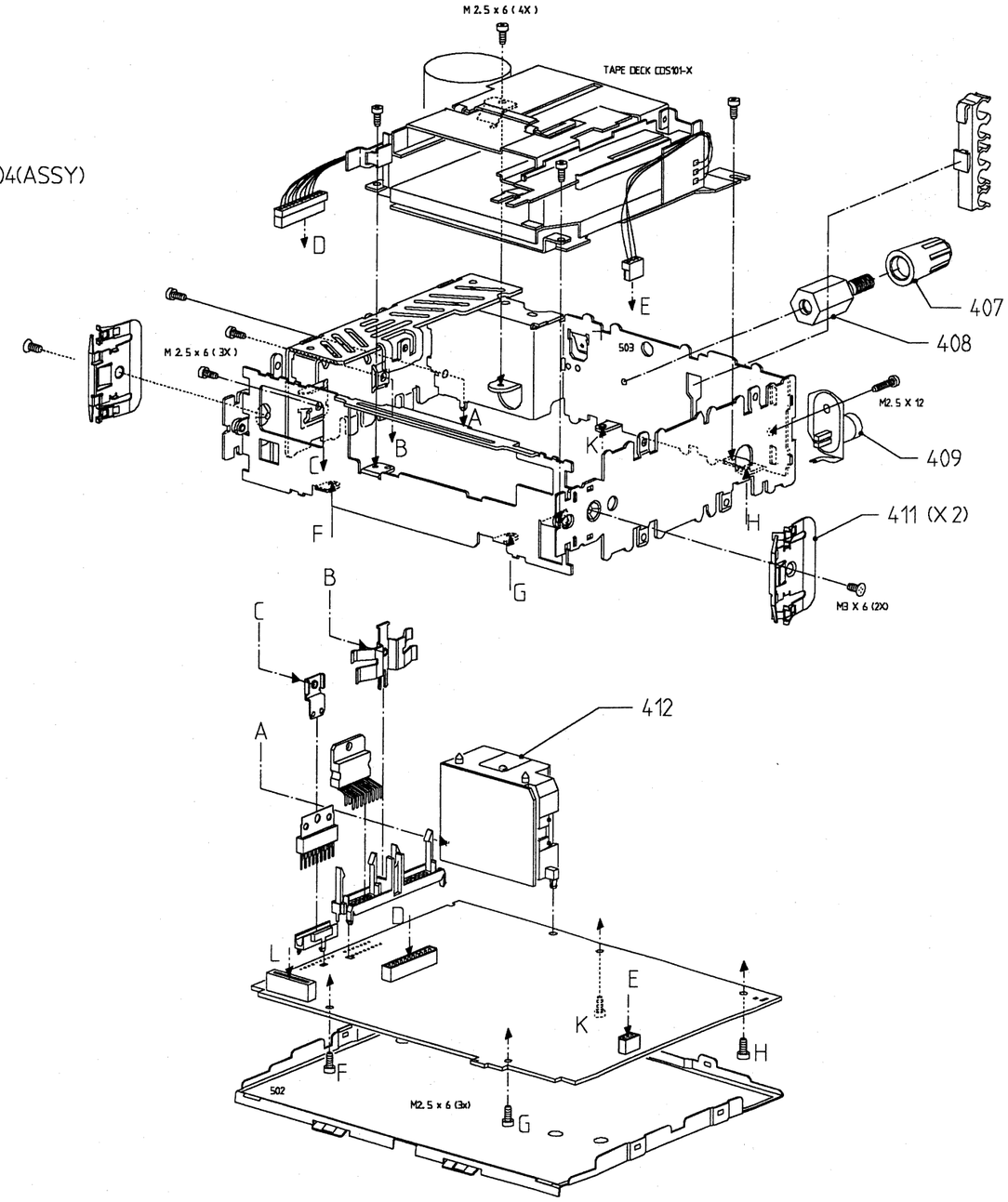








401	4822 459 50919	ORNAMENTAL PLATE ASS	408	4822 462 72016	SPACER
402	4822 443 64398	PRINTED FLAP CASSETT	409	4822 267 31702	AERIAL BUSH ASSY
403	4822 492 71033	FLAP SPRING	411	4822 492 71523	MOUNTING SPRING
404	4822 410 63652	SET OF BUTTONS DECK	412	4822 290 61232	CONNECTOR BLOCK
406	4822 466 10681	FLEX FOIL			
407	4822 532 12177	SPACER			

Miscellaneous

1300	4822 242 81503	SFP450H
1301	4822 242 73779	SFE10,7MS3-K18-A
1302	4822 242 73779	SFE10,7MS3-K18-A
1303	4822 242 73779	SFE10,7MS3-K18-A
1941	4822 276 13103	SWITCH
1942	4822 276 13103	SWITCH
1943	4822 276 13103	SWITCH
1944	4822 276 13103	SWITCH
1946	4822 276 13103	SWITCH
1947	4822 276 13103	SWITCH
1948	4822 276 13103	SWITCH
1949	4822 276 13103	SWITCH
1951	4822 276 13103	SWITCH
1952	4822 276 13103	SWITCH
1953	4822 276 13103	SWITCH
1954	4822 276 13103	SWITCH
1956	4822 276 13103	SWITCH
1957	4822 276 13103	SWITCH
1958	4822 276 13103	SWITCH
1961	4822 276 13103	SWITCH

Capacitors

2000	5322 122 31946	27pF 5% NP0 63V
2001	5322 122 32658	22pF 5% 50V
2002	4822 252 60125	DSP-201M-A21F
2016	5322 122 33244	8,2pF 5%NPO 50V
2104	5322 122 34123	1nF10% X7R 50V
2121	4822 124 41017	10µF 16V
2200	4822 126 13196	100nF10% X7R 25V
2201	5322 122 34098	10nF10% X7R 63V
2202	4822 126 13196	100nF10% X7R 25V
2203	5322 122 33063	2,2pF 5% NP0 50V
2204	5322 126 10343	1,8pF 5% NP0 63V
2205	5322 122 33446	3,3nF10% X7R 63V
2206	5322 122 33244	8,2pF 5%NPO 50V
2207	4822 126 11692	1µF
2208	5322 122 32531	100pF 5% NP0 50V
2209	5322 122 31946	27pF 5% NP0 63V
2210	4822 126 13196	100nF10% X7R 25V
2211	4822 122 33216	270pF 5% NP0 50V
2212	5322 122 33446	3,3nF10% X7R 63V
2213	4822 126 13196	100nF10% X7R 25V
2214	5322 122 32654	22nF10% X7R 63V
2215	4822 126 13196	100nF10% X7R 25V
2217	4822 124 23279	22µF 20% 16V
2218	4822 126 11692	1µF
2219	4822 124 80837	33µF 20% 16V
2220	4822 124 23281	33µF 20% 16V
2221	5322 122 32452	47pF 5% NP0 63V
2223	5322 122 34098	10nF10% X7R 63V
2224	5322 122 34098	10nF10% X7R 63V
2225	5322 122 32269	6,8pF 5% 50V
2227	4822 126 10326	180pF 5% NP0 63V
2228	5322 122 32287	4,7pF 5% NP0 50V
2229	5322 122 32448	10pF 5% 50V
2230	4822 126 11692	1µF
2231	5322 122 32448	10pF 5% 50V
2232	5322 122 32448	10pF 5% 50V
2249	4822 124 41584	100µF 20% 10V
2270	5322 122 34123	1nF10% X7R 50V
2271	5322 122 34123	1nF10% X7R 50V
2272	4822 122 33926	12pF 50V
2273	4822 126 11692	1µF
2300	4822 126 11692	1µF
2301	5322 122 32654	22nF10% X7R 63V
2302	4822 126 13196	100nF10% X7R 25V
2305	4822 126 13196	100nF10% X7R 25V
2306	4822 126 13196	100nF10% X7R 25V
2307	4822 126 13196	100nF10% X7R 25V
2308	4822 126 13196	100nF10% X7R 25V
2309	5322 122 34098	10nF10% X7R 63V
2310	5322 122 33446	3,3nF10% X7R 63V
2311	5322 122 33446	3,3nF10% X7R 63V
2312	4822 122 33514	68pF 5% NP0 50V
2313	4822 126 13057	220nF10% X7R 25V
2314	5322 122 31866	6,8nF10% X7R 63V
2315	4822 126 13196	100nF10% X7R 25V
2316	4822 126 13057	220nF10% X7R 25V
2317	5322 122 31866	6,8nF10% X7R 63V
2318	5322 122 32654	22nF10% X7R 63V
2319	4822 126 13196	100nF10% X7R 25V
2320	4822 126 13196	100nF10% X7R 25V
2321	4822 126 13196	100nF10% X7R 25V
2322	4822 126 13057	220nF10% X7R 25V
2324	4822 126 13057	220nF10% X7R 25V
2325	5322 122 32654	22nF10% X7R 63V
2327	4822 124 23256	47µF 16V
2328	5322 124 41431	22µF 20% 35V
2330	4822 126 13196	100nF10% X7R 25V
2332	4822 124 23281	33µF 20% 16V
2333	5322 122 34098	10nF10% X7R 63V
2340	5322 122 32448	10pF 5% 50V
2349	5322 122 34098	10nF10% X7R 63V
2402	5322 126 10223	4,7nF10% X7R 63V
2403	4822 122 33496	100nF10% X7R 63V
2405	5322 126 10223	4,7nF10% X7R 63V
2406	4822 126 13057	220nF10% X7R 25V
2407	4822 126 13057	220nF10% X7R 25V
2410	4822 124 41584	100µF 20% 10V
2411	4822 124 22646	47µF 20% 16V
2501	4822 124 80453	100µF 20% 10V
2502	4822 124 41009	470µF 16V
2504	4822 124 23256	47µF 16V
2505	4822 124 80453	100µF 20% 10V
2506	4822 124 41584	100µF 20% 10V
2507	4822 124 41584	100µF 20% 10V
2508	5322 122 32531	100pF 5% NP0 50V
2509	4822 126 13196	100nF10% X7R 25V
2510	5322 122 32654	22nF10% X7R 63V
2511	5322 122 32531	100pF 5% NP0 50V
2512	4822 124 41584	100µF 20% 10V
2531	5322 122 34098	10nF10% X7R 63V
2532	5322 122 34098	10nF10% X7R 63V
2533	5322 122 32654	22nF10% X7R 63V
2534	4822 126 13196	100nF10% X7R 25V
2535	4822 126 13196	100nF10% X7R 25V
2536	4822 126 13196	100nF10% X7R 25V
2591	4822 124 23504	2.2µF 20% 50V
2592	5322 124 41431	22µF 20% 35V
2601	4822 122 32646	5,6nF10% X7R 50V

Capacitors

2602	4822 122 33342	33nF10% X7R 63V
2603	4822 122 32646	5,6nF10% X7R 50V
2604	4822 122 33342	33nF10% X7R 63V
2605	5322 122 32654	22nF10% X7R 63V
2606	4822 124 80453	100µF 20% 10V
2607	4822 124 80453	100µF 20% 10V
2608	4822 124 23582	220µF 10V
2609	4822 124 23582	220µF 10V
2623	4822 126 13196	100nF10% X7R 25V
2624	4822 126 13196	100nF10% X7R 25V
2660	4822 124 41017	10µF 16V
2661	4822 126 13196	100nF10% X7R 25V
2662	4822 122 33515	82pF 5% NP0 63V
2663	5322 122 32452	47pF 5% NP0 63V
2664	5322 116 80853	560pF 5% NP0 63V
2665	5322 122 31863	330pF 5% NP0 50V
2666	4822 124 23504	2.2µF 20% 50V
2681	5322 122 34098	10nF10% X7R 63V
2701	4822 124 80453	100µF 20% 10V
2702	4822 124 80453	100µF 20% 10V
2703	4822 124 80453	100µF 20% 10V
2704	4822 126 13057	220nF10% X7R 25V
2707	5322 122 34123	1nF10% X7R 50V
2708	5322 122 34123	1nF10% X7R 50V
2717	4822 126 13057	220nF10% X7R 25V
2719	4822 124 80453	100µF 20% 10V
2722	5322 122 34098	10nF10% X7R 63V
2723	5322 122 34098	10nF10% X7R 63V
2801	5322 122 32654	22nF10% X7R 63V
2802	5322 122 32531	100pF 5% NP0 50V
2803	5322 122 32531	100pF 5% NP0 50V
2841	5322 122 34098	10nF10% X7R 63V
2842	5322 122 32531	100pF 5% NP0 50V
2851	5322 122 32654	22nF10% X7R 63V

Resistors

3110	4822 051 20229	22Ω 5% 0,1W
3112	4822 051 20008	0Ω JUMP. (0805)
3113	4822 051 20008	0Ω JUMP. (0805)
3200	4822 051 20392	3K9 5% 0,1W
3201	4822 051 20222	2K2 5% 0,1W
3202	4822 051 20103	10KΩ 5% 0,1W
3203	4822 051 20221	220Ω 5% 0,1W
3204	4822 051 20471	470Ω 5% 0,1W
3205	4822 051 20471	470Ω 5% 0,1W
3206	4822 051 20101	100Ω 5% 0,1W
3208	4822 051 20103	10KΩ 5% 0,1W
3209	4822 051 20103	10KΩ 5% 0,1W
3210	4822 051 20225	2M2 5% 0,1W
3211	4822 051 20479	47Ω 5% 0,1W
3212	4822 051 20229	22Ω 5% 0,1W
3213	4822 051 20008	0Ω JUMP. (0805)
3290	4822 051 20224	220KΩ 5% 0,1W
3292	4822 051 20229	22Ω 5% 0,1W
3300	4822 051 20123	12KΩ 5% 0,1W
3301	4822 051 20335	3M30 5% 0,1W
3302	4822 051 20333	33KΩ 5% 0,1W
3303	4822 100 20166	10K 30%LIN 0,1W
3305	4822 051 20333	33KΩ 5% 0,1W
3306	4822 051 20333	33KΩ 5% 0,1W
3307	4822 051 20432	4K30 5% 0,1W
3308	4822 051 20224	220KΩ 5% 0,1W
3309	4822 051 20124	120KΩ 5% 0,1W
3310	4822 051 20684	680KΩ 5% 0,1W
3313	4822 051 20124	120KΩ 5% 0,1W
3314	4822 051 20564	560KΩ 5% 0,1W
3315	4822 051 20684	680KΩ 5% 0,1W
3316	4822 051 20225	2M20 5% 0,1W
3317	4822 051 20273	27KΩ 5% 0,1W
3318	4822 051 20391	390Ω 5% 0,1W
3319	4822 100 11163	100K 30%LIN 0,1W
3321	4822 100 11163	100K 30%LIN 0,1W
3322	4822 100 11163	100K 30%LIN 0,1W
3323	4822 051 20391	390Ω 5% 0,1W
3324	4822 051 20272	2K70 5% 0,1W
3325	4822 051 20101	100Ω 5% 0,1W
3326	4822 051 20102	1KΩ 5% 0,1W
3327	4822 051 20681	680Ω 5% 0,1W
3330	4822 051 20473	47KΩ 5% 0,1W
3341	4822 051 20109	10Ω 5% 0,1W
3346	4822 051 20473	47KΩ 5% 0,1W
3347	4822 051 20008	0Ω JUMP. (0805)
3348	4822 051 20681	680Ω 5% 0,1W
3349	4822 051 20223	22KΩ 5% 0,1W
3402	4822 051 20472	4K70 5% 0,1W
3403	4822 051 20478	4R70 5% 0,1W
3407	4822 051 20223	22KΩ 5% 0,1W
3408	4822 051 20222	2K20 5% 0,1W
3411	4822 051 20478	4R70 5% 0,1W
3501	4822 051 20104	100KΩ 5% 0,1W
3502	4822 051 20472	4K70 5% 0,1W
3504	4822 051 20222	2K20 5% 0,1W
3505	4822 051 20104	100KΩ 5% 0,1W
3506	4822 116 83863	1K 5% 0,5W
3507	4822 116 83863	1K 5% 0,5W
3508	4822 051 20102	1KΩ 5% 0,1W
3509	4822 051 20103	10KΩ 5% 0,1W
3511	4822 051 20223	22KΩ 5% 0,1W
3512	4822 051 20103	10KΩ 5% 0,1W
3513	4822 116 83863	1K 5% 0,5W
3514	4822 116 83863	1K 5% 0,5W
3515	4822 116 40267	3R3 25% 20V
3516	4822 051 20222	2K20 5% 0,1W
3517	4822 116 83863	1K 5% 0,5W
3518	4822 116 83863	1K 5% 0,5W
3519	4822 116 83863	1K 5% 0,5W
3531	4822 051 20471	470Ω 5% 0,1W
3532	4822 051 20102	1KΩ 5% 0,1W
3533	4822 051 20224	220KΩ 5% 0,1W
3534	4822 051 20103	10KΩ 5% 0,1W
3535	4822 051 20333	33KΩ 5% 0,1W
3536	4822 051 20473	47KΩ 5% 0,1W
3537	4822 051 20333	33KΩ 5% 0,1W
3538	4822 051 20104	100KΩ 5% 0,1W
3539	4822 051 20102	1KΩ 5% 0,1W
3540	4822 051 20223	22KΩ 5% 0,1W
3541	4822 051 20103	10KΩ 5% 0,1W
3542	4822 051 20103	10KΩ 5% 0,1W
3543	4822 051 20103	10KΩ 5% 0,1W
3544	4822 051 20103	10KΩ 5% 0,1W

22DC379/62B

3545	4822 051 20103	10KΩ 5% 0,1W
3546	4822 051 20471	470Ω 5% 0,1W
3556	4822 051 20102	1KΩ 5% 0,1W
3557	4822 051 20123	12KΩ 5% 0,1W
3558	4822 051 20123	12KΩ 5% 0,1W
3559	4822 051 20123	12KΩ 5% 0,1W
3562	4822 051 20103	10KΩ 5% 0,1W
3563	4822 051 20123	12KΩ 5% 0,1W
3564	4822 116 52215	220E 5% 0,5W
3590	4822 051 20103	10KΩ 5% 0,1W
3591	4822 051 20104	100KΩ 5% 0,1W
3592	4822 051 20104	100KΩ 5% 0,1W
3593	4822 051 20103	10KΩ 5% 0,1W
3603	4822 051 20103	10KΩ 5% 0,1W
3621	4822 051 20103	10KΩ 5% 0,1W
3622	4822 051 20103	10KΩ 5% 0,1W
3661	4822 051 20222	2K20 5% 0,1W
3681	4822 051 20334	330KΩ 5% 0,1W
3682	4822 051 20334	330KΩ 5% 0,1W
3683	4822 051 20472	4K70 5% 0,1W
3701	4822 051 20103	10KΩ 5% 0,1W
3702	4822 051 20103	10KΩ 5% 0,1W
3705	4822 051 20391	390Ω 5% 0,1W
3709	4822 051 20123	12KΩ 5% 0,1W
3710	4822 051 20123	12KΩ 5% 0,1W
3715	4822 051 20479	47Ω 5% 0,1W
3716	4822 051 20334	330KΩ 5% 0,1W
3717	4822 051 20123	12KΩ 5% 0,1W
3718	4822 051 20479	47Ω 5% 0,1W
3719	4822 051 20123	12KΩ 5% 0,1W
3720	4822 051 20334	330KΩ 5% 0,1W
3754	4822 051 20103	10KΩ 5% 0,1W
3755	4822 051 20103	10KΩ 5% 0,1W
3756	4822 051 20103	10KΩ 5% 0,1W
3757	4822 051 20472	4K70 5% 0,1W
3758	4822 051 20471	470Ω 5% 0,1W
3759	4822 051 20478	4R70 5% 0,1W
3760	4822 051 20272	2K70 5% 0,1W
3761	4822 051 20272	2K70 5% 0,1W
3762	4822 051 20478	4R70 5% 0,1W
3763	4822 051 20102	1KΩ 5% 0,1W
3800	4822 051 20103	10KΩ 5% 0,1W
3801	4822 051 20103	10KΩ 5% 0,1W
3802	4822 051 20103	10KΩ 5% 0,1W
3803	4822 051 20103	10KΩ 5% 0,1W
3804	4822 051 20103	10KΩ 5% 0,1W
3806	4822 051 20681	680Ω 5% 0,1W
3807	4822 051 20681	680Ω 5% 0,1W
3808	4822 051 20103	10KΩ 5% 0,1W
3809	4822 051 20103	10KΩ 5% 0,1W
3810	4822 051 20103	10KΩ 5% 0,1W
3811	4822 051 20103	10KΩ 5% 0,1W
3841	4822 051 20222	2K20 5% 0,1W
3842	4822 051 20103	10KΩ 5% 0,1W
3843	4822 051 20104	100KΩ 5% 0,1W
3844	4822 051 20333	33KΩ 5% 0,1W
3851	4822 051 20103	10KΩ 5% 0,1W
3852	4822 051 20103	10KΩ 5% 0,1W
3853	4822 051 20103	10KΩ 5% 0,1W
3871	4822 051 20102	1KΩ 5% 0,1W

3872	4822 051 20102	1KΩ 5% 0,1W
3873	4822 051 20102	1KΩ 5% 0,1W
3874	4822 051 20103	10KΩ 5% 0,1W
3877	4822 051 20103	10KΩ 5% 0,1W
3878	4822 051 20103	10KΩ 5% 0,1W
3879	4822 051 20103	10KΩ 5% 0,1W
3901	4822 117 11139	1K5 1% 0,1W
3902	4822 117 11139	1K5 1% 0,1W
3905	4822 117 11139	1K5 1% 0,1W
3906	4822 117 11139	1K5 1% 0,1W
3909	4822 051 20122	1K20 5% 0,1W
3910	4822 051 20122	1K20 5% 0,1W
3912	4822 051 20122	1K20 5% 0,1W
3914	4822 051 20122	1K20 5% 0,1W
3915	4822 051 20122	1K20 5% 0,1W
3917	4822 051 20122	1K20 5% 0,1W
3937	4822 051 20101	100Ω 5% 0,1W
3946	4822 051 20101	100Ω 5% 0,1W
3981	4822 051 20008	0Ω JUMP. (0805)
3982	4822 051 20008	0Ω JUMP. (0805)
3983	4822 051 20008	0Ω JUMP. (0805)
3984	4822 051 20008	0Ω JUMP. (0805)
3985	4822 051 20008	0Ω JUMP. (0805)
3986	4822 051 20008	0Ω JUMP. (0805)
3987	4822 051 20008	0Ω JUMP. (0805)
3988	4822 051 20008	0Ω JUMP. (0805)

4300	4822 242 81698	AF9192C-A (61,5MHZ)
5001	4822 156 21723	0.22µH 5%
5200	4822 157 63315	220µH 10%
5201	4822 157 71059	MC122 - 100MHz
5202	4822 152 20679	68µH 10%
5203	4822 157 53473	1000µH 10%
5206	4822 157 71057	47mH 6%
5207	4822 157 71058	98m KZV-353
5208	4822 156 21722	7CGL - 10.7MHz
5209	4822 157 71055	5KM - 72.2MHz
5210	4822 157 71055	5KM - 72.2MHz
5211	4822 156 21721	2.2µH 10%
5212	4822 156 21719	1.5µH 10%
5301	4822 156 21724	7CGL - 450KHz
5302	4822 157 71061	7P 10.7MHz
5501	4822 157 70839	CHOKE COIL
5503	4822 157 71433	120µH 10%LAL05TB121K
5661	4822 242 80259	LN-G8-311(TPR11)
5801	4822 157 53473	1000µH 10%
5802	4822 242 81002	CST6,00MGW-TF01

6200	5322 130 34337	BAV99
6201	4822 130 83849	1SV128
6202	4822 130 83849	1SV128
6501	4822 130 30621	1N4148
6502	4822 130 30621	1N4148
6503	4822 130 82465	1.5KE27P
6531	4822 130 34174	BZX79-C4V7
6572	4822 130 30621	1N4148
6573	4822 130 30621	1N4148
6591	4822 130 30621	1N4148

6601	4822 130 30621	1N4148
6841	4822 130 30621	1N4148
6871	4822 130 32904	BZV85-C5V6
6872	4822 130 32904	BZV85-C5V6
6873	4822 130 32904	BZV85-C5V6
6901	4822 130 82595	TLHO4400AS12Z
6902	4822 130 82595	TLHO4400AS12Z
6903	4822 130 82595	TLHO4400AS12Z
6904	4822 130 82595	TLHO4400AS12Z
6905	4822 130 82595	TLHO4400AS12Z
6906	4822 130 82595	TLHO4400AS12Z
6907	4822 130 82595	TLHO4400AS12Z
6908	4822 130 82595	TLHO4400AS12Z
6909	4822 130 82595	TLHO4400AS12Z
6910	4822 130 82595	TLHO4400AS12Z
6911	4822 130 82595	TLHO4400AS12Z
6912	4822 130 82595	TLHO4400AS12Z
6913	4822 130 82595	TLHO4400AS12Z
6914	4822 130 82595	TLHO4400AS12Z
6915	4822 130 82595	TLHO4400AS12Z
6925	4822 130 82595	TLHO4400AS12Z

7200	4822 130 83614	BB135
7201	4822 130 63534	PMBFJ309
7202	4822 209 33168	TEA6811V/C2/R1
7300	4822 209 33167	TEA6821T/V2
7301	4822 130 60887	BF840
7401	5322 130 60508	BC857B
7404	4822 209 31132	TDA7374V
7501	4822 130 60511	BC847B
7503	5322 130 60508	BC857B
7504	4822 209 33029	TDA3602/N3
7505	4822 130 40995	BD438(141Y)
7506	4822 130 60511	BC847B
7531	4822 130 60511	BC847B
7532	5322 130 60508	BC857B
7533	5322 130 60508	BC857B
7534	5322 130 60508	BC857B
7535	5322 130 60508	BC857B
7556	4822 130 60511	BC847B
7557	4822 130 40959	BC547B
7558	4822 130 42132	BC807
7591	4822 130 60511	BC847B
7592	4822 130 60511	BC847B
7601	4822 209 31979	TEA6330T/V1
7621	5322 209 11102	HEF4052BT
7661	4822 209 31981	SAA6579T/V1
7703	4822 209 33162	MC4558IDT
7750	4822 130 60511	BC847B
7751	4822 130 60511	BC847B
7752	4822 130 44283	BC636
7753	4822 130 60511	BC847B
7801	4822 209 90078	TMP47C820-DC379/62B
7841	4822 130 60511	BC847B

Car cassette deck CDS-101SPF

Service
Service
Service

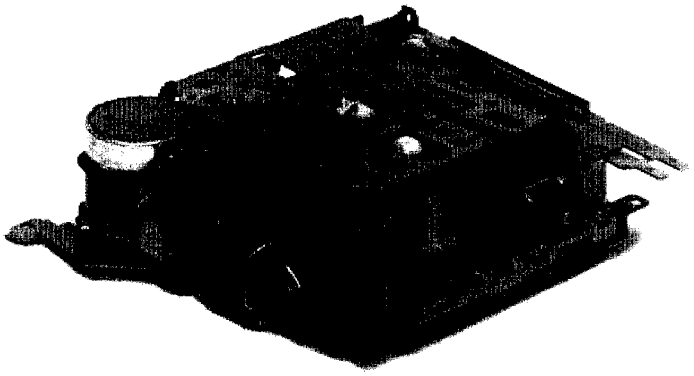
ERSATZTEILE
für Philips Car Systems
erhalten Sie bei:
KiVi Service GmbH
Windmühlenstr. 41 · 31178 Giesen/Emmerke
Tel.: 0 51 21 / 6 00 20 · Fax 0 51 21 / 60 02 54

CDS-101WPF
CDS-101XPF
CDS-101YPF

PHIL-05033

Service Manual

12 V



TECHNICAL DATA

Operating voltage	: 10-16V
Tape speed	: 4.76cm/sec ±2%
Wow & flutter	: ≤0.35% RMS (+10 - +45$C)
Crosstalk (track 2-3)	: <-40dB
Fast wind time	: ≤100secs (C-60)
Number of tracks	: 2x2
Channel separation (Tracks 1-2/3-4)	: >30dB

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GENERAL

The CDS-101 is supplied in 4 versions:
a. CDS-101SPF: Standard version.
b. CDS-101WPF: As CDS-101SPF version, with "Key-Off/A.M.S." and tape selector included.
c. CDS-101XPF: As CDS-101SPF version, with "Key-Off/A.M.S." and "Real-Time FF/REW" included.
d. CDS-101YPF: As CDS-101SPF version, with "Key-Off/A.M.S.", "Real-Time FF/REW" and tape selector included.

(A.M.S. = Automatic Music sensor System)

CONNECTIONS

CDS-101SPF/WPF/YPF
(* WPF/YPF version only; SPF version: N.C.)

Pin no.	Wire colour	Signal
1	--	--
2	--	--
3	Brown	GND
4	Red	+ 14.2 VDC
5	Orange	N.C.
6	Yellow	Play switch
7	Green	Mute switch
8	Blue	Track switch
9	Purple	Solenoid*
10	Grey	N.C.
11	White	Me/Cr sw.*

CDS101-XPF

Pin no.	Wire colour	Signal
1	Brown	GND
2	Red	+ 14.2 VDC
3	Orange	N.C.
4	Yellow	Play switch
5	Green	Mute switch
6	Blue	Track switch
7	Purple	Solenoid
8	Grey	N.C.
9	White	N.C.

HEAD CONNECTIONS

(all versions)

Pin no.	Wire colour	Signal
1	Black	GND
2	White	Left out
3	Pink	Right out

MAINTENANCE

The cassette mechanism requires periodic cleaning.

Cleaning with alcohol or spirit

- Playback head pos.109.
- Capstan & pressure rollers pos.10, 11 and 27.
- Belt (pos.105) & pulley (pos.73).

To clean head, pressure roller and capstan, it is also possible to use drop-in cassette SBC114 (4822 389 20035).

ADJUSTMENTS AND CHECKS

Equipment required:
- Universal test cassette SBC419 (4822 397 30069)
- Universal test cassette SBC420 (4822 397 30071)
- Friction test cassette 811/CTM (4822 395 30054)
- Spring scale 50-500g (4822 395 80028)
- Wow & flutter meter
- AC millivoltmeters

1. Azimuth (Fig. 1 - next page)

Azimuth alignment should be carried out on a complete car radio; proceed as follows:
- Connect the millivoltmeters to the loudspeaker outputs.
- Insert test cassette SBC419 (or SBC420), select NOR (normal play) and play the 10kHz signal.
- Adjust Azimuth screw "FWD DIRECTION" (pos. 137) for equal and maximum output voltage reading for both right and left channel.
- Switch to REV (reverse play) and play the 10kHz signal.
- Repeat the adjustment with screw "REV DIRECTION" (pos.137).

- Adjust Azimuth screw "B" (pos.143) for maximum and equal outputs both for NOR and REV play and both for right and left channel. Repeat the procedure, if necessary.

2. Pressure roller pressure

The pressure on the capstan should be 250 - 350 grammes (2.5 - 3.5N).
This pressure is measured as follows (NOR and REV):
- Select Play mode.
- Push the pressure roller back at the shown point by means of the spring scale.
- At the point where pressure roller and capstan just disengage the spring scale should be read.
- If the pressure is incorrect, replace spring 94 (95).

3. Friction clutch (Reel assy) 22

- Insert friction test cassette 811/CTM (NOR and REV).
- Play take-up torque should be 35 - 75g/cm.
- Fast wind torque should be 40 - 150g/cm.
- If the torque is not correct, replace reel assy 22.

4. Wow & flutter/tape speed (Fig. 2)

This check is carried out on an complete car radio; proceed as follows:
- Connect the wow & flutter meter to the LS outputs.
- Insert test cassette SBC419 (or SBC420) and play the 3150Hz signal.
- The wow & flutter value should be ≤0.35%
- Tape speed should be 4.76cm/sec. ±2%
- The tape speed can be adjusted with screw "S".

In case of an excessive wow & flutter value, check following parts for correct functioning:
- motor 31
- pressure (pinch) rollers 10, 11
- belt 105
- friction clutches (reel assy's) 22
- flywheels 27
- pulley 73

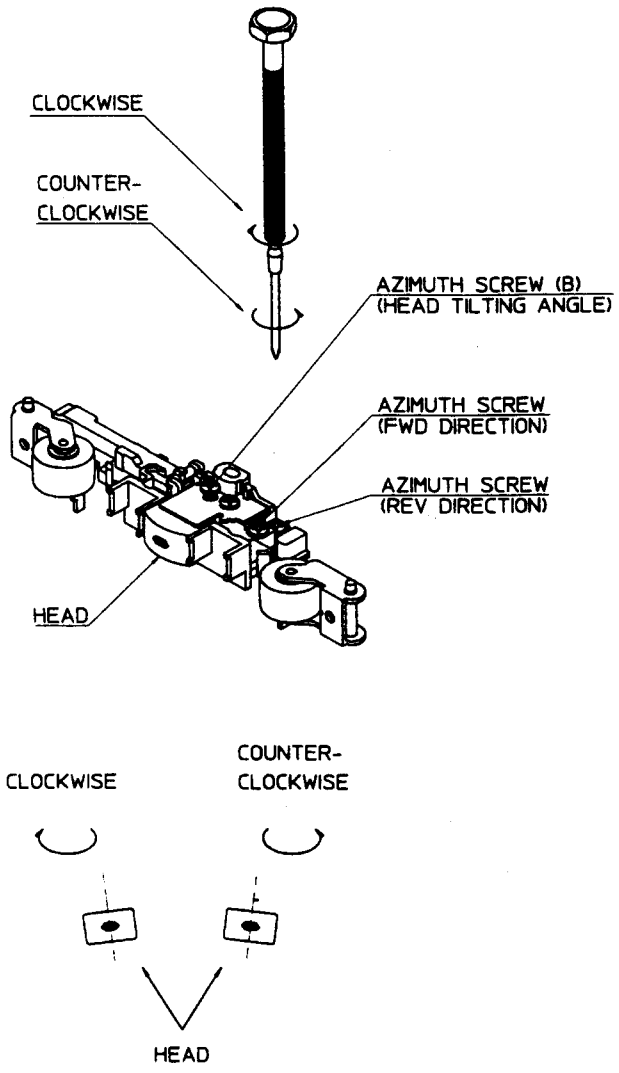


Figure 1

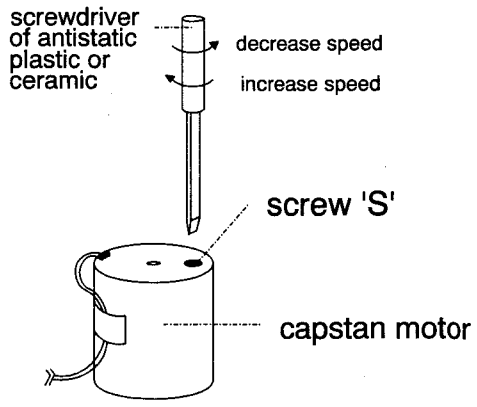


Figure 2

DISASSEMBLY INSTRUCTIONS

Refer to the exploded view to locate all positions.

Cassette Holder assy C
1. Bend the back lock of the return link 104 on eject lever 41.
2. Remove return link 104.
3. Take care that the cassette holder is in UPWARD position!
4. Remove screw 142.
5. Move the cassette holder assy to the left to unlock it from the pivots of the chassis, and lift the holder upward at the left.
6. Take the cassette holder assy out.
7. To separate the two parts of the cassette holder assy, lift the rear part up.

Reel base assy D
1. Lay the tape deck upside down on a soft surface.
2. Remove the four screws 146 which fix the bottom plate 54.
3. Remove the two screws 140 and screws 139 which fix the power switch assy A.
4. Remove the belt 105.
5. Remove the three screws 140 which fix the reel base assy.
6. Lift the reel base assy carefully.
7. To remove the reel assy 22, put a small screwdriver between the reel base and the reel assy base plate and turn the screwdriver carefully until the reel base gets loose.

Lever unit assy B
1. Remove the wire clamp 108.
2. Remove the lock arm spring 90.
3. Remove the screw 140.
4. Lift out the lever unit assy at the front.

Pressure rollers
1. First the cassette holder- and lever unit assy's should be removed.
2. Lift the pressure roller assy 10/46/47/94 (forward pressure roller) or 11/50/95 (reverse pressure roller).

Head Plate assy F and Head assy
1. First the cassette holder- and lever unit assy's should be removed.
2. Remove the two screws 136 which fix the tape guide 68.
3. Remove the adjuster arm spring 93.
4. Remove the head assy 67/93/109.
5. Remove the load lever spring 99 (not in -SPF).
6. Remove the adjuster link 66.
7. Remove the reset arm spring 86.
8. Pull the head plate 3 to the right side of the deck and lift it out carefully.

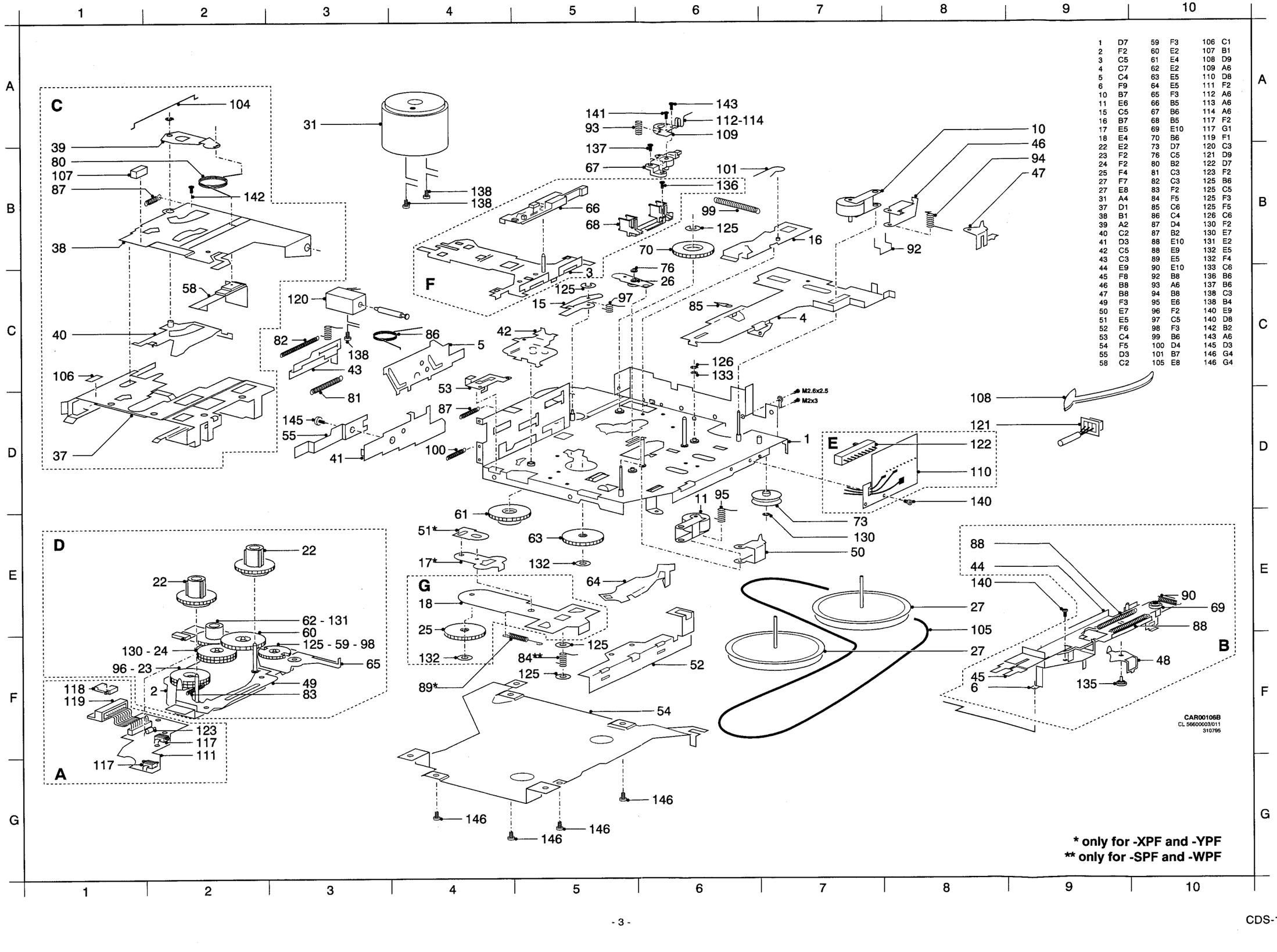
Flywheel 27
1. First the cassette holder- and lever unit assy's should be removed.
2. Remove the belt 105.
3. Remove the E-ring 126 and plate 133.
4. Remove the flywheel 27.

Note: Don't forget to re-insert the plate(s) 133 after re-assembling the flywheel(s)!

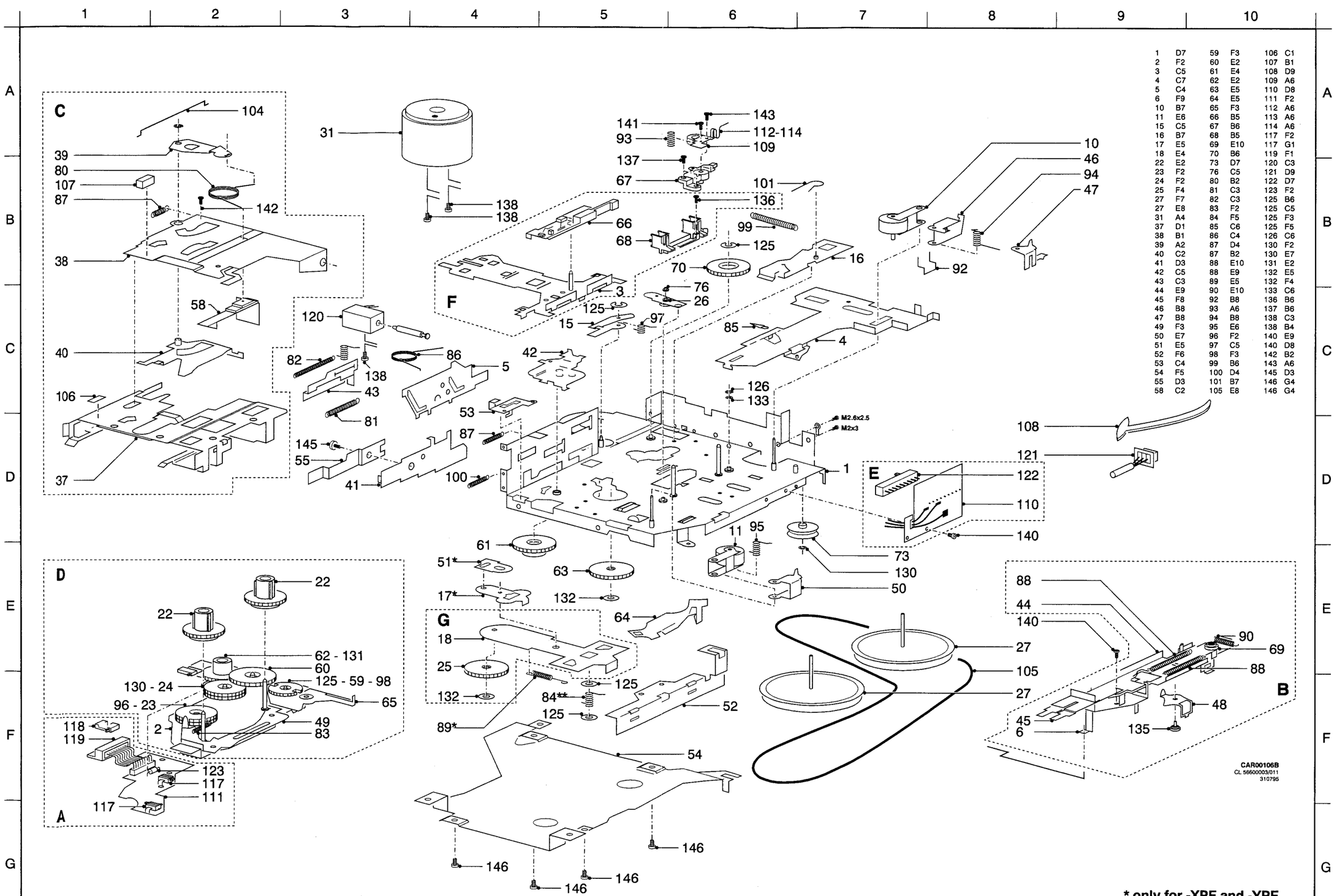
F/R arm assy G
1. First the reel base assy and both flywheels should be removed.
2. Remove E-ring 125 and the F/R arm spring 84.
3. Remove F/R change lever 52.
4. Remove the F/R arm assy G.

Motor assy 31
1. First the bottom plate 54 should be removed.
2. Remove, if present, fixing tapes etc. from the motor.
3. Unsolder the two wires from the motor terminals.
4. Remove the belt 105 from the motor pulley.
5. Remove the two screws 138 which fix the motor and take the motor out.

Solenoid 120
1. Unsolder the two solenoid wires from the switch pcb 111.
2. Remove the screw 138 which fixes the solenoid.



1	D7	59	F3	106	C1
2	F2	60	E2	107	B1
3	C5	61	E4	108	D9
4	C7	62	E2	109	A6
5	C4	63	E5	110	D8
6	F9	64	E5	111	F2
10	B7	65	F3	112	A6
11	E6	66	B5	113	A6
15	C5	67	B6	114	A6
16	B7	68	B5	117	F2
17	E5	69	E10	117	G1
18	E4	70	B6	119	F1
22	E2	73	D7	120	C3
23	F2	76	C5	121	D9
24	F2	80	B2	122	D7
25	F4	81	C3	123	F2
27	F7	82	C3	125	B6
27	E8	83	F2	125	C5
31	A4	84	F5	125	F3
37	D1	85	C6	125	F5
38	B1	86	C4	126	C6
39	A2	87	D4	130	F2
40	C2	87	B2	130	E7
41	D3	88	E10	131	E2
42	C5	88	E9	132	E5
43	C3	89	E5	132	F4
44	E9	90	E10	133	C6
45	F8	92	B8	136	B6
46	B8	93	A6	137	B6
47	B8	94	B8	138	C3
49	F3	95	E6	138	B4
50	E7	96	F2	140	E9
51	E5	97	C5	140	D8
52	F6	98	F3	142	B2
53	C4	99	B6	143	A6
54	F5	100	D4	145	D3
55	D3	101	B7	146	G4
58	C2	105	E8	146	G4



1	D7	59	F3	106	C1
2	F2	60	E2	107	B1
3	C5	61	E4	108	D9
4	C7	62	E2	109	A6
5	C4	63	E5	110	D8
6	F9	64	E5	111	F2
10	B7	65	F3	112	A6
11	E6	66	B5	113	A6
15	C5	67	B6	114	A6
16	B7	68	B5	117	F2
17	E5	69	E10	117	G1
18	E4	70	B6	119	F1
22	E2	73	D7	120	C3
23	F2	76	C5	121	D9
24	F2	80	B2	122	D7
25	F4	81	C3	123	F2
27	F7	82	C3	125	B6
27	E8	83	F2	125	C5
31	A4	84	F5	125	F3
37	D1	85	C6	125	F5
38	B1	86	C4	126	C6
39	A2	87	D4	130	F2
40	C2	87	B2	130	E7
41	D3	88	E10	131	E2
42	C5	88	E9	132	E5
43	C3	89	E5	132	F4
44	E9	90	E10	133	C6
45	F8	92	B8	136	B6
46	B8	93	A6	137	B6
47	B8	94	B8	138	C3
49	F3	95	E6	138	B4
50	E7	96	F2	140	E9
51	E5	97	C5	140	D8
52	F6	98	F3	142	B2
53	C4	99	B6	143	A6
54	F5	100	D4	145	D3
55	D3	101	B7	146	G4
58	C2	105	E8	146	G4

PARTSLIST

10	4822 528 81548	PINCH ROLLER FW	
11	4822 528 81549	PINCH ROLLER REV	
22	4822 528 10913	REEL ASSY	
27	4822 528 60429	FLYWHEEL ASSY	
31	4822 361 30456	MOTOR ASSY	
61	4822 522 33539	REDUCTION GEAR (A)	
63	4822 522 33541	IDLER GEAR (A)	
70	4822 522 33542	LOAD GEAR	WPF, XPF, YPF
73	4822 528 81551	IDLER PULLEY (A)	
86	4822 492 42753	RESET ARM SPRING	SPF
86	4822 492 42756	RESET ARM SPRING (K)	WPF, XPF, YPF
89	4822 492 33485	POS. SETTER SPRING	XPF, YPF
93	4822 492 33486	ADJUSTER ARM SPRING	
94	4822 492 42754	PINCH ROLLER SPG FW	
95	4822 492 42755	PINCH ROLLER SPG REW	
99	4822 492 33487	LOAD LEVER SPRING '	WPF, XPF, YPF
100	4822 492 33488	TAPE SELECTOR SPRING	WPF, YPF
101	4822 492 42757	LOAD LEVER SPRING (B)	WPF, XPF, YPF
105	4822 358 31326	BELT	
109	4822 249 30219	HEAD	
120	4822 281 50188	SOLENOID	WPF, XPF, YPF
123	4822 130 83863	DIODE	WPF, XPF, YPF
125	4822 530 80699	E-RING 1.5MM	
126	4822 530 80701	E-RING 1.6MM	
132	4822 530 70629	PLATE 2.1X4MM	
133	4822 530 70628	PLATE 2.1X3.2MM	
137	4822 502 21608	AZIMUTH SCREW	
143	4822 502 21607	AZIMUTH SCREW (B)	

COMPLETE DECKS

	4822 691 10436	CDS-101SPF COMPLETE
	4822 691 10437	CDS-101WPF COMPLETE
	4822 691 10435	CDS-101XPF COMPLETE
	4822 691 10434	CDS-101YPF COMPLETE

ASSEMBLIES

A	4822 276 13605	POWER SWITCH ASSY	SPF
A	4822 276 13604	POWER SWITCH ASSY	WPF, YPF
A	4822 276 13606	POWER SWITCH ASSY	XPF
B	4822 404 21342	LEVER BRACKET ASSY	
C	4822 256 92307	CASSETTE HOLDER ASSY	
D	4822 528 10915	REEL BASE ASSY	SPF
D	4822 528 10916	REEL BASE ASSY	WPF, XPF, YPF
E	4822 214 52263	SWITCH PCB ASSY	
F	4822 466 83197	HEAD PLATE ASSY	
G	4822 404 21343	F/R ARM ASSY	SPF, WPF
G	4822 404 21344	F/R ARM ASSY	XPF, YPF

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Car cassette deck CDS-101XPS2

Service
Service
Service

Supplement

Service Manual

12 V

GENERAL

This supplement manual should be used together with the CDS-101 service manual 4822 725 24651.
Refer for:
- technical specifications
- maintenance
- checks & adjustments and
- disassembly procedure

to that manual.

The CDS-101XPS2 has the following differences with respect to the CDS-101XPS:
- additional wire cover on the lever bracket assy (pos.B); see exploded view
- a different signal connector pos. 119; see also exploded view
- diode pos. 123 is left out.

This supplement contains:
- connector layout
- an adapted exploded view and
- parts list.

PCS 91 015 GB

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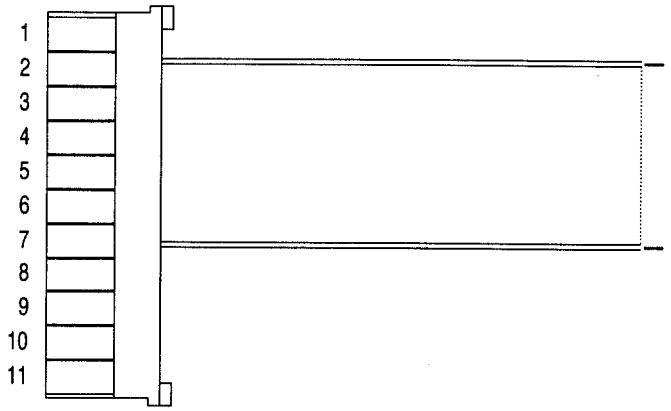
PHILIPS

CONNECTIONS

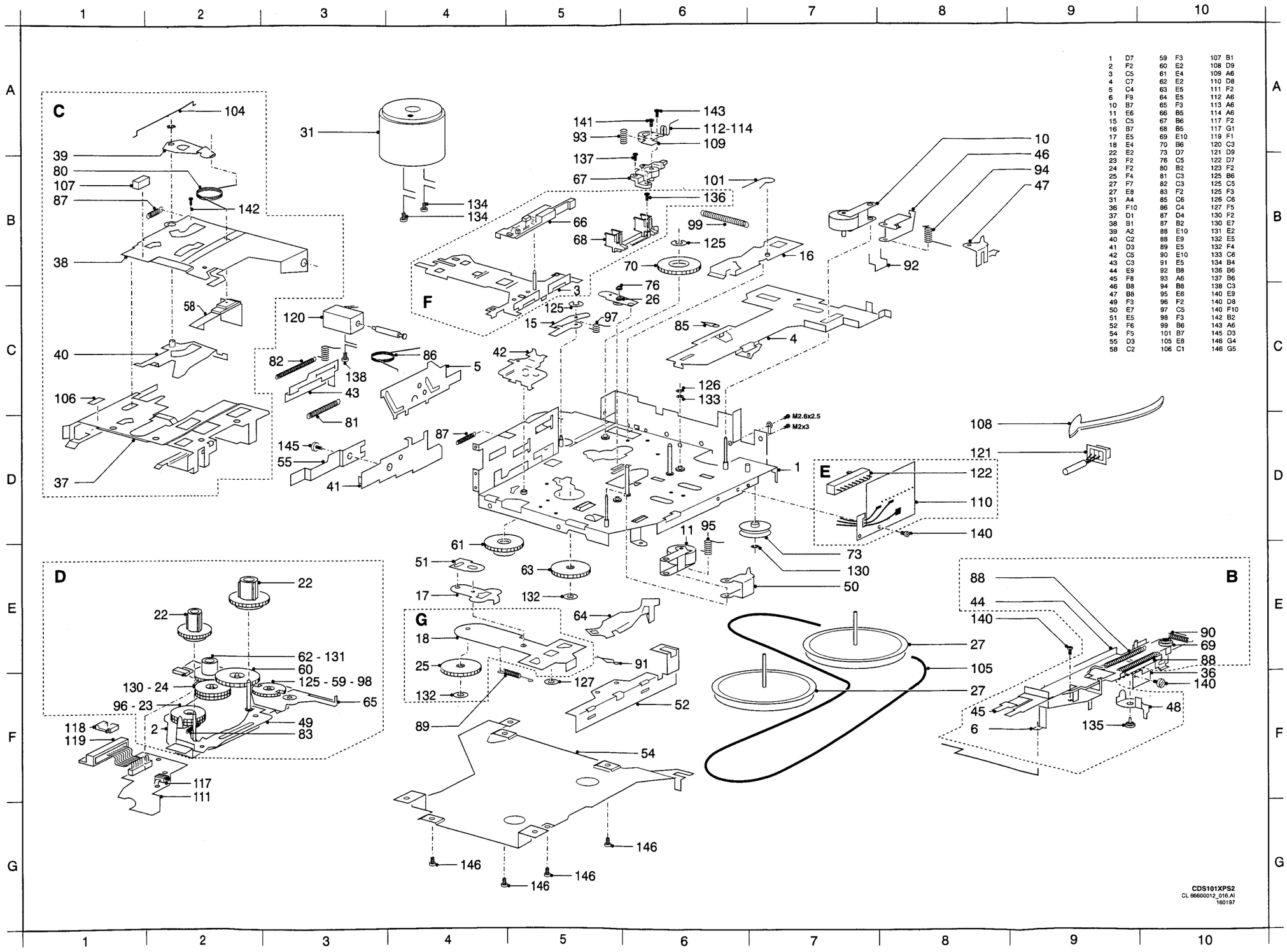


Pin no.	Wire colour	Signal
1	---	N.C.
2	Brown	Track switch
3	Red	GND
4	Orange	Play switch
5	Yellow	Play switch COM
6	Green	Motor +
7	Blue	Mute switch
8	Purple	Solenoid
9	Grey	Solenoid
10	---	N.C.
11	---	N.C.

Pin no.	Wire colour	Signal
1	Black	Common GND
2	White	Left
3	Pink	Right

PCS 91 016 GB

EXPLODED VIEW CDS-101XPS2



1	D7	59	F3	107	B1
2	F2	60	E2	108	D9
3	C5	61	E4	109	A6
4	C7	62	E2	110	D8
5	C4	63	E5	111	F2
6	F9	64	E5	112	A6
10	B7	65	F3	113	A6
11	E6	66	B5	114	A6
15	C5	67	B6	117	F2
16	B7	68	B5	117	G1
17	E5	69	E10	119	F1
18	E4	70	B6	120	C3
22	E2	73	D7	121	D9
23	F2	76	C5	122	D7
24	F2	80	B2	123	F2
25	F4	81	C3	125	B6
27	F7	82	C3	125	C5
27	E8	83	F2	125	F3
31	A4	85	C6	126	C6
36	F10	86	C4	127	F5
37	D1	87	D4	130	F2
38	B1	87	B2	130	E7
39	A2	88	E10	131	E2
40	C2	88	E9	132	E5
41	D3	89	E5	132	F4
42	C5	90	E10	133	C6
43	C3	91	E5	134	B4
44	E9	92	B8	136	B6
45	F8	93	A6	137	B6
46	B8	94	B8	138	C3
47	B8	95	E6	140	E9
49	F3	96	F2	140	D8
50	E7	97	C5	140	F10
51	E5	98	F3	142	B2
52	F6	99	B6	143	A6
54	F5	101	B7	145	D3
55	D3	105	E8	146	G4
58	C2	106	C1	146	G5

PARTS LIST

Note: ONLY those position numbers mentioned here are service parts.

10	4822 528 81548	PINCH ROLLER FW
11	4822 528 81549	PINCH ROLLER REW
22	4822 528 10913	REEL ASSY
27	4822 528 60429	FLYWHEEL ASSY
31	4822 361 30456	MOTOR ASSY
61	4822 522 33539	REDUCTION GEAR (A)
63	4822 522 33541	IDLER GEAR (A)
70	4822 522 33542	LOAD GEAR
73	4822 528 81551	IDLER PULLEY (A)
86	4822 492 42756	RESET ARM SPRING (K)
89	4822 492 33485	POS. SETTER SPRING
93	4822 492 33486	ADJUSTER ARM SPRING
94	4822 492 42754	PINCH ROLLER SPG FW
95	4822 492 42755	PINCH ROLLER SPG REW
99	4822 492 33487	LOAD LEVER SPRING
101	4822 492 42757	LOAD LEVER SPRING (B)
105	4822 358 31326	BELT
109	4822 249 30219	HEAD
117	4822 276 13838	PUSH SWITCH
118	4822 276 13839	POWER SWITCH
119	4822 320 11821	11P-8P WIRE ASSY
120	4822 281 50188	SOLENOID
125	4822 530 80699	E-RING 1.5MM
126	4822 530 80701	E-RING 1.6MM
127	4822 532 12749	RET. RING 1.6X3.5
132	4822 530 70629	PLATE 2.1X4MM
133	4822 530 70628	PLATE 2.1X3.2MM
137	4822 502 21608	AZIMUTH SCREW
143	4822 502 21607	AZIMUTH SCREW (B)
	4822 691 10455	CDS-101XPS2 COMPLETE

ASSEMBLIES

B	4822 404 21342	LEVER BRACKET ASSY
C	4822 256 92307	CASSETTE HOLDER ASSY
D	4822 528 10916	REEL BASE ASSY
E	4822 214 52263	SWITCH PCB ASSY
F	4822 466 83197	HEAD PLATE ASSY
G	4822 404 21344	F/R ARM ASSY